



SECOR
INTERNATIONAL
INCORPORATED

www.secorm.com

2855 Camino Del Rio N. Suite 302
San Diego, CA 92108
619-296-6195 TEL.
619-296-6199 FAX

**SITE ASSESSMENT REPORT AND CLOSURE
REQUEST FOR**

**FORMER CHEVRON STATION NO. 9-1834
4175 Voltaire Street
San Diego, CA 92107**

**January 25, 2006
08CH.51834.05.0590**

Prepared by:

T D B
Timothy D. Barrett
Staff Scientist

Approved by:

Clifford R. Pollock, CHG #514
Principal Engineering Geologist

Reviewed by:

Kimberly N. Thompson
Kimberly N. Thompson
Project Manager

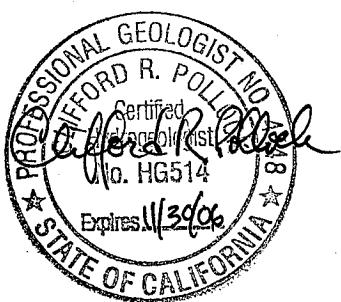


TABLE OF CONTENTS

1.0 INTRODUCTION.....	1
1.1 Purpose.....	1
1.2 Scope Of Services.....	1
2.0 SITE BACKGROUND.....	3
2.1 Site Description	3
2.2 Historical Site Assessment Summary	3
2.3 Historical Remediation Summary.....	4
3.0 GEOLOGIC AND HYDROGEOLOGIC SETTING	6
3.1 Geologic Setting	6
3.2 Hydrogeologic Setting	6
4.0 SITE ASSESSMENT METHODS.....	7
4.1 Pre-Field Preparation	7
4.2 Field Exploration.....	7
4.2.1 Drilling Operations	7
4.2.2 Subsurface Soil Sampling	8
4.2.3 Decontamination Procedures	8
4.2.4 Investigation-Derived Waste Handling Procedures	8
4.2.5 Groundwater Monitoring.....	8
5.0 SUMMARY OF FINDINGS.....	9
5.1 Local Hydrostratigraphic Conditions	9
5.2 Analytical Results	9
5.2.1 Subsurface Soil.....	9
5.2.2 Groundwater	10
5.2.3 Estimated Distribution of Hydrocarbons in the Subsurface.....	10
6.0 ESTIMATED TIME FOR GROUNDWATER TO REACH CLEANUP GOALS	11
7.0 SUMMARY OF FINDINGS AND CONCLUSIONS	14
7.1 Summary of Findings.....	14
7.2 Conclusions.....	15
8.0 RECOMMENDATIONS	16
9.0 STANDARD LIMITATIONS	17
10.0 REFERENCES.....	18

TABLE OF CONTENTS (Continued)**LIST OF FIGURES**

Figure 1	Site Location Map
Figure 2	Site Plan With Geologic Cross Section Lines
Figure 3	SVE System Performance
Figure 4	Geologic Cross Section A-A'
Figure 5	Geologic Cross Section B-B'
Figure 6	Utility Survey Map
Figure 7	Groundwater Gradient Map – October 20, 2005
Figure 8	Petroleum Hydrocarbon Constituents In Soil Distribution Map
Figure 9	Dissolved Hydrocarbon Constituents Distribution Map – October 20, 2005
Figure 10	Natural Attenuation Trend Evaluation For MW-1
Figure 11	Natural Attenuation Trend Evaluation For MW-7
Figure 12	Natural Attenuation Trend Evaluation For MW-9

LIST OF TABLES

Table 1	Summary Of SVE System Hydrocarbon Mass Removal
Table 2	Summary Of SVE System Operation And Maintenance
Table 3	Summary Of Beneficial Water Uses
Table 4	Soil Sample Analytical Results
Table 5	Summary Of Historical Soil Sample Analytical Results
Table 6	Historical Groundwater Levels And Chemical Analysis Results
Table 7	Natural Attenuation Concentration Trend Analysis Summary

LIST OF APPENDICES

Appendix A	Work Plan And Sam Approval Letter
Appendix B	Soil Boring Permit Cover Page
Appendix C	Soil Boring Logs And Legend
Appendix D	Investigation-Derived Waste Handling Documentation
Appendix E	Laboratory Analytical Reports And Chain-Of-Custody Documentation

1.0 INTRODUCTION

This report presents the results of site assessment activities conducted by SECOR International Incorporated (SECOR) for Chevron Environmental Management Company (Chevron) at Former Chevron Service Station No. 9-1834 (the Site), Unauthorized Release (UAR #H12455).

The Site is located at 4175 Voltaire Street, in San Diego, California (Figure 1). The scope of the assessment work was conducted in accordance with SECOR's *Work Plan for Confirmation Borings* (Work Plan), dated June 10, 2005. The assessment Work Plan was approved for UAR #H12455 by the County of San Diego Department of Environmental Health (DEH), Land and Water Quality Division, Site Assessment and Mitigation (SAM) Program in a letter dated July 7, 2005. Copies of the Work Plan and SAM approval letter are provided in Appendix A.

1.1 PURPOSE

The purpose of the site assessment was to assess the vertical extent of residual hydrocarbon impacts to the subsurface soil remaining at the Site, subsequent to the active remediation by soil vapor extraction (SVE) at the site.

1.2 SCOPE OF SERVICES

The following services were performed during the assessment:

- Obtained a soil boring construction permit from the DEH for the advancement of five soil borings;
- Notified Underground Service Alert (USA) to identify and clearly mark any subsurface utilities within the proposed soil boring locations;
- Prepared a site-specific Health and Safety Plan (HASP);
- Supervised the use of an air knife to clear subsurface utilities to a depth of 8 feet below ground surface (ft bgs) at five soil boring locations;
- Supervised the advancement of five soil borings (CB-1 through CB-5) to depths ranging from approximately 65-80 ft bgs
- Collected soil samples at varying depths during the advancement of each soil boring, performed lithologic logging of soils, and monitored the working area and headspace of retrieved soil samples with a Photoionization Detector (PID);
- Submitted subsurface soil samples to a California state-certified laboratory for analyses using U.S. Environmental Protection Agency (EPA) Method 8260B for: total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, and total xylenes (BTEX); methyl-tert-butyl ether (MTBE);
- Prepared a 60-day drilling report; and

- Prepared this report summarizing the site assessment procedures and findings, conclusions, and recommendations.

2.0 SITE BACKGROUND

2.1 SITE DESCRIPTION

The Site, located at 4175 Voltaire Street in San Diego, CA, is currently a vacant lot on the southern corner of the intersection between Voltaire Street and Catalina Boulevard. While in service, the station consisted of two pump islands under a canopy, one building with hydraulic lifts, four gasoline underground storage tanks (USTs) ranging in size from 3,000-gallon to 7,500-gallon, and one 550-gallon used oil UST (Figure 2).

Located in a mixed residential and commercial area, the Site is bound by Catalina Boulevard to the northwest, Voltaire Street to the northeast, an alley and apartment complex to the southwest, and a market and liquor store to the southeast. A 7-11 market is located across Catalina Boulevard and several commercial businesses are located across Voltaire Street.

The closest surface water is the San Diego River, which is located approximately 4,600 feet north of the Site. The Pacific Ocean is located approximately 1 mile west of the Site.

2.2 HISTORICAL SITE ASSESSMENT SUMMARY

The Site operated as a Chevron and/or Standard Oil Company fuel service station as early as 1955. In October 1996, DST Builders of Westminster, California exposed and removed five steel USTs and associated piping from the Site. Following UST removal, soil samples were collected from beneath the former piping and UST locations (Alton, October 1999).

Soil samples collected following the UST excavation had detectable levels of TPHg ranging in concentration from 4.5 to 15,000 milligrams per kilogram (mg/kg). Soil samples collected from beneath the former product piping had detectable levels of TPHg ranging in concentration from 95 to 13,000 mg/kg. Total recoverable petroleum hydrocarbon (TRPH) concentrations in soil collected from beneath the former USTs ranged in concentration from 12 to 1,500 mg/kg (Alton, October 1999).

Alton Geoscience (Alton) conducted an initial site assessment and soil vapor extraction (SVE) feasibility survey in February 1997, following the removal of the USTs and product piping. Sixteen soil borings (B-1 through B-16) were advanced during this assessment, with three of the borings converted to groundwater monitoring wells (MW-1 through MW-3), and three of the borings converted to nested vent wells (VW-1 through VW-3). In May 1997, six additional groundwater monitoring wells (MW-4 through MW-9) were installed at the Site (Alton, 1999a).

Soil samples collected during these drilling assessments ranged in TPHg concentrations from below laboratory reporting limits (LRLs) to 28,000 mg/kg. Benzene concentrations in soil samples collected ranged from below LRLs to 180 mg/kg, and MTBE concentrations ranged from below LRLs to 1.0 mg/kg.

In January of 1999, Alton supervised the installation of three offsite groundwater monitoring wells, of which two (MW-11 and MW-12) are located in the parking lot southeast of the Site and one (MW-10) is located in Voltaire Street to the northeast of the Site. TPHg, BTEX, and MTBE

concentrations in all soil samples collected during the installation of MW-10 through MW-12 were below LRLs.

In April 1997, Alton conducted two SVE step tests and concluded that for operational vacuums of 80 inches of water or less, SVE did not appear to be a feasible remediation alternative for the Site. They did conclude that for higher vacuums of 200 inches of water or more, SVE may be feasible for the shallow soils located at the Site (Alton, 1997b).

Alton conducted a risk assessment study in September 1997 by analyzing soil gas samples collected. Results of this study showed a less than 10^{-6} excess lifetime cancer risk (Alton, 1999).

Alton concluded from their initial site assessment that petroleum hydrocarbon-impacted soil and groundwater was present in the vicinity of the former UST cavity and the northeast portion of the Site (Alton, 1997a). Following the January 1999 assessment, Alton concluded the extent of petroleum hydrocarbons in both soil and groundwater had been adequately assessed (Alton, 1999).

Groundwater gauging and sampling for the monitoring wells referenced above has been conducted at the Site on a quarterly basis since March 1997, initially by BBC Environmental, Inc. (BBC), a Chevron contractor, and currently by SECOR.

Liquid phase hydrocarbons (LPH) have been identified in wells MW-1 and MW-9 as either a measurable thickness or sheen since September 1999. LPH have not been identified in any of the other monitoring wells (SECOR, 2005a).

2.3 HISTORICAL REMEDIATION SUMMARY

Alton conducted SVE testing activities in 1997 to assess the feasibility of using SVE for remediation at the Site. One SVE test was conducted in shallow subsurface soil (less than 25 feet bgs) using extraction well VW-1S. A second test was conducted in deeper soil (greater than 40 feet bgs) using well MW-1 as the extraction well. Numerous monitoring wells were used for observation throughout both tests. The results concluded that neither of the tests met Chevron's standard (at the time) for evaluating SVE tests, which compared the normalized vacuum measured in the observation wells to the normalized distances of the observation wells from the extraction wells. Alton interpreted the test results to indicate that the shallow soil beneath the Site was heterogeneous and of low permeability, but that high-vacuum SVE (greater than 200 inches of water) may provide effective remediation. Alton also concluded that typical SVE (80 inches of water or less) would possibly provide a feasible remediation alternative for the deeper soils in the vicinity of the water table. The SVE tests conducted on wells VW-1S and MW-1 removed approximately 5 pounds of hydrocarbons and 16 pounds of hydrocarbons, respectively, from the subsurface soil (Alton, 1997b).

In January 1999, Alton conducted a 10-hour high-vacuum dual-phase extraction (HVDPE) pilot test on well MW-1 utilizing numerous wells as observation wells. The test produced vapor flow rates of 13 to 15 cubic feet per minute (cfm) and groundwater extraction rates of approximately 105 gallons per hour at applied vacuums of 26 to 27 inches of mercury (Hg). Alton estimated the practical radius of influence to be approximately 30 to 35 feet from the extraction well.

Approximately 32 pounds of vapor-phase hydrocarbons and approximately 1,050 gallons of groundwater were extracted throughout the test. Alton concluded that dual-phase extraction appeared to be an effective method to remediate impacted soil in the vicinity of the water table (Alton, 1999b).

In April 2001, SECOR initiated the first of four interim remediation events utilizing a mobile remediation system (MRS) for HVDPE. The MRS provided for simultaneous removal of hydrocarbon mass from the vadose zone, capillary fringe, and saturated zones. This was accomplished by applying high vacuum to the wellhead while using a stinger within the well casing to extract groundwater. The stinger was used to draw down the water table, thereby exposing a greater thickness of the hydrocarbon-impacted "smear zone" (including portions of the upper saturated zone that had been below the water table) to intensive vapor extraction. The MRS was connected to wells MW-1 and MW-9 during the four MRS remediation events, which ranged in duration from 24 to 96 hours. Volatile fuel hydrocarbon (VFH) samples collected from the process vapor stream, which may have included additional dilution air, ranged between 530 parts per million by volume (ppmv) and 10,000 ppmv. A total mass of approximately 2,065 pounds of hydrocarbons were estimated to have been removed from the site and treated throughout the MRS remediation events. Approximately 75,600 gallons of groundwater were removed and disposed during the MRS events.

In October 2002, SECOR began operation of an on-site SVE remediation system under San Diego Air Pollution Control District (APCD) Permit #978165. The SVE system is connected to six SVE wells, three of which are nested dual-completion wells with shallow and deep screened sections (VW-1S/D, VW-2S/D, VW-3S/D, MW-1, MW-7, and MW-9). Vapors from the soil are extracted and treated by a catalytic oxidizer (catox) system. An estimated total of approximately 6,205 pounds of VFH were removed by the SVE system between October 2002 and December 2004. A Quarterly Remediation Progress Report (Fourth Quarter 2004) determined that the source VFH concentrations had reached asymptotically low levels, and that the mass of hydrocarbons removed by the SVE system during Fourth Quarter 2004 was minimal. The SVE system was subsequently shut down in February 2005. Process VFH concentrations and cumulative hydrocarbons removed by the SVE system since startup are presented in the SVE system performance graph in Figure 3. A summary of SVE system hydrocarbon mass removal is presented in Table 1, and a summary of the SVE system operation and maintenance parameters including source concentrations is presented in Table 2.

3.0 GEOLOGIC AND HYDROGEOLOGIC SETTING

3.1 GEOLOGIC SETTING

Regional Geologic Setting

The Site lies at the border of the Linda Vista Formation and the Bay Point Formation. The Linda Vista Formation is mostly comprised of moderate reddish-brown, interbedded sandstone and conglomerate. The Bay Point Formation is composed mainly of marine and nonmarine, poorly consolidated, pale brown, fine- and medium-grained fossiliferous sandstone (Kennedy, 1975).

Local Geologic Setting

Based on a review of the 7.5-Minute La Jolla, California Quadrangle Topographic Map (US Geological Survey, 1967, Photorevised 1975), the Site is located at an elevation approximately 65 feet above mean sea level (MSL).

Soil lithologies observed during the drilling of CB-1 through CB-5 generally consisted of sandy silt to silty sand to approximately 80 ft bgs, the maximum depth of exploration. Soil lithologies and soil sample laboratory analytical results are displayed on geologic cross sections A-A' and B-B', presented on Figures 2, 4 and 5.

3.2 HYDROGEOLOGIC SETTING

The California Regional Water Quality Control Board, San Diego Region (CRWQCB) indicates in the 1994 Water Quality Control Plan, San Diego Basin (9) that the Site is located within the Mission San Diego Hydrologic Sub Area (HSA 7.11) of the Lower San Diego Hydrologic Area (HA 7.10) in the San Diego Hydrologic Unit (HU 7.00). Groundwater within this HSA is currently designated as beneficial for agricultural supply, industrial process, and industrial service supply uses. It is listed as having the potential for beneficial use for municipal and domestic supply. However, in the vicinity of the site location (west of interstate highway 5) these beneficial uses do not apply and the area is exempted from the sources of drinking water policy (CRWQCB, 1994). Beneficial uses for groundwater within the Mission San Diego Hydrologic Sub Area are displayed on Table 3.

Historic groundwater measurements indicate that static depth-to-water (DTW) has generally fluctuated between 50 to 54 ft bgs at the Site. On October 20 and 21, 2005, SECOR conducted groundwater monitoring activities at the Site. Static DTW measurements on October 20, 2005 ranged between 48.45 (in MW-5) and 52.03 (in MW-12) ft bgs. The direction of groundwater flow appears to be to the east with a hydraulic gradient of approximately 0.033 vertical foot per horizontal foot (ft/ft; SECOR, 2005a).

4.0 SITE ASSESSMENT METHODS

4.1 PRE-FIELD PREPARATION

SECOR prepared and submitted a Work Plan dated June 10, 2005 to the SAM for the advancement of five soil borings. The purpose was to assess the vertical extent of residual hydrocarbon impact to soil at the Site. A copy of the Work Plan and SAM work plan approval letter, dated July 7, 2005, is provided in Appendix A. Prior to field activities, a soil boring construction permit was submitted to the DEH for five soil borings. Pursuant to the requirements of the approved permit, the DEH was notified of SECOR's intent to drill at least 48 hours prior to the start of drilling. A copy of the approved well permit cover sheet (#LMON 103441, issued by the DEH on October 4, 2005 is included in Appendix B.

SECOR prepared a comprehensive site-specific HASP for this project, based on the scope of work and the potential hazards present. The HASP was used as the primary mechanism to assure employee, environmental, and public safety during field activities. All individuals working under the purview of SECOR were required to read and sign the HASP to acknowledge their understanding of the information contained in it. The HASP was reviewed by the project management team and then reviewed and approved by SECOR's Health and Safety Officer. The HASP was implemented and enforced on-site by the SECOR Site Safety and Health Officer.

SECOR contacted USA to mark utilities in the vicinity of the proposed soil borings. USA notified utility companies of the pending work so that the locations of buried utilities could be marked. Additionally, individual utility companies were contacted for utility locations by SECOR in an attempt to create a utility survey map. The information received from those companies that responded to the inquiries was used to create a utility survey map showing the approximate locations of local utilities (Figure 6). Additionally, a private geophysical company was contracted to help identify any subsurface utilities prior to drilling.

4.2 FIELD EXPLORATION

4.2.1 Drilling Operations

On October 17, 2005, a SECOR geologist, working under the direction of a California Professional Geologist, observed the utility clearance of five proposed soil boring locations, each to a depth of 8 ft bgs, using an air-vacuum extraction unit (e.g., air knife).

On October 18 and 19, 2005, following the completion of air knife activities, a SECOR geologist working under the direction of a California Professional Geologist, observed the advancement of five soil borings (CB-1 through CB-5) to depths ranging from approximately 65 to 80 ft bgs.

Soil borings CB-3 and CB-5 were advanced to depths of 70 ft bgs and soil borings CB-1, CB-2, and CB-4 were advanced to depths of 75 ft bgs, 65 ft bgs, and 80 ft bgs, respectively (Appendix C).

4.2.2 Subsurface Soil Sampling

Soil samples were collected from each boring at five foot depth intervals from 10 ft bgs to the maximum depth of exploration. Samples were collected using a split spoon sampler lined with three 6-inch brass sleeves. Upon collection, the bottom brass sleeve was removed from the sampler, sealed with Teflon™ sheets and plastic caps, properly labeled, and placed in an ice-chilled cooler for transport under chain-of-custody protocol to a state-certified laboratory for chemical analysis. The soil in one of the remaining brass sleeves was placed into a resealable plastic bag, and field-screened for volatile organic vapors using a PID. Soil in the third sample sleeve was visually classified in accordance with the Unified Soil Classification System (USCS), as prescribed in the American Society for Testing and Materials (ASTM) Standard D2488-93, Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). Soil color descriptions were referenced from the Geological Society of America's *Rock-Color Chart* published in 1995 (GSA, 1995).

All soil samples collected were analyzed for TPHg by EPA Method 8260B, and select samples collected, determined by PID readings observed in the field, were analyzed for BTEX and MTBE by EPA Method 8260B. A total of 67 samples were collected and analyzed, and the analytical results are summarized in Table 4.

4.2.3 Decontamination Procedures

To minimize the possibility of cross contamination, equipment used for drilling was properly decontaminated prior to use in the drilling of each soil boring and in the collection of subsurface soil samples from each soil boring. The down-hole drilling equipment was decontaminated prior to arrival at the Site using pressurized soapy water and steam.

4.2.4 Investigation-Derived Waste Handling Procedures

Drill cuttings and decontamination fluids generated during drilling activities were placed in U.S. Department of Transportation (DOT) approved 55-gallon steel drums with locking lids, properly labeled, and transported as non-hazardous waste by Phillips Services Corporation (PSC) of Carson, California to the TPS Technologies facility in Adelanto, California. A copy of the waste manifest is provided as Appendix D.

4.2.5 Groundwater Monitoring

All groundwater sampling activities were conducted according to SAM program guidelines (*2004 SAM Manual*). The Site was most recently sampled on October 20 and 21, 2005 using standard well purging techniques. Groundwater samples were collected from each of the 12 MWs using clean disposable bailers, and each sample was transferred into six labeled 40-mL VOA vials with HCl preservative. The samples were stored in an ice-chilled cooler and transported under chain-of-custody protocol to a state-certified laboratory for chemical analyses.

5.0 SUMMARY OF FINDINGS

Based on SECOR field observations and the results of laboratory analyses of soil and groundwater samples, SECOR presents the following summary of findings:

5.1 LOCAL HYDROSTRATIGRAPHIC CONDITIONS

The lithologies found during the advancement of soil borings CB-1 through CB-5 generally consisted of sandy silt and silty to coarse-grained sand from surface to 80 ft bgs, the maximum depth of exploration. The lithologies are described on the Borehole/Well Logs in Appendix C. Geologic cross sections are presented in Figures 4 and 5.

During groundwater gauging and sampling on October 20 and 21, 2005, the static DTW measurements ranged from 48.45 ft bgs in MW-5 to 52.03 ft bgs in MW-12. The relative groundwater elevations, calculated from the surveyed wellheads of the MWs, ranged from 18.01 feet above MSL in MW-10 to 19.62 feet above MSL in MW-8 and MW-12. Based on review of the groundwater gradient map (Figure 7) prepared from the calculated groundwater elevation data, the approximate groundwater flow direction beneath the Site is toward the east with a hydraulic gradient of 0.033 ft/ft (SECOR, 2005a).

5.2 ANALYTICAL RESULTS

5.2.1 Subsurface Soil

Hydrocarbon constituents were detected above LRLs in 12 of the 67 soil samples analyzed. TPHg was detected at concentrations of 1,100 mg/kg, 560 mg/kg, and 690 mg/kg in samples collected from boring CB-1 at depths of 60, 65, and 70 ft bgs, respectively. Soil samples collected from boring CB-3 at depths of 55 and 60 ft bgs had detectable levels of TPHg at concentrations of 5.2 mg/kg and 0.30 mg/kg, respectively. Five samples collected from boring CB-4 (at depths from 55 to 75 ft bgs) had detectable levels of TPHg, at concentrations ranging from 0.40 mg/kg (at 60 ft bgs) to 770 mg/kg (at 55 ft bgs). Boring CB-5 had two soil samples with detectable levels of TPHg, at concentrations of 1.2 mg/kg (at 20 ft bgs) and 0.16 mg/kg (at 45 ft bgs). No soil samples collected from boring CB-2 had TPHg concentration levels above the LRLs.

Of the 67 soil samples collected, 18 samples were analyzed for BTEX and MTBE. The remaining samples were not analyzed, but were available if Benzene or MTBE was detected in the first 18 samples. Benzene was detected above LRLs in 1 of the 18 samples analyzed, at a concentration of 0.26 mg/kg in the sample collected from boring CB-3 taken at 55 ft bgs. Ethylbenzene and Total Xylenes were detected above LRLs in 1 of the 18 samples analyzed, at respective concentrations of 8.2 mg/kg and 22 mg/kg in the sample collected from boring CB-4 at a depth of 55 ft bgs. MTBE was detected above LRLs in 2 of the 18 samples analyzed, at concentrations of 0.085 mg/kg and 0.01 mg/kg in the samples collected from boring CB-3 at 55 ft bgs and boring CB-4 at 65 ft bgs, respectively.

Analytical results for soil samples collected October 18 and 19, 2005 are summarized in Table 4. Figure 8 illustrates the historic distribution of petroleum hydrocarbons in soil samples

collected at the Site. A summary of historical soil analytical results is included in Table 5. A copy of the laboratory analytical report and chain-of-custody documentation is included in Appendix E. As illustrated in Figures 4 and 5, the full extent of the residual hydrocarbon impacts to soil and groundwater are limited and have been fully delineated vertically and horizontally.

5.2.2 Groundwater

On October 20 and 21, 2005, each of the 12 MWs at the Site was sampled following established purge sampling procedures, which are based on SAM guidelines (2004 SAM Manual). No measurable LPH were detected in any of the gauged wells during this sampling event; however, LPH sheen was observed in MW-9. TPHg was detected in samples collected from 4 of the 12 MWs, at concentrations ranging from 140 micrograms per liter ($\mu\text{g/L}$) (in sample MW-5) to 16,000 $\mu\text{g/L}$ (in sample MW-9). Benzene was detected in samples collected from 3 of the 12 MWs, at concentrations of 51 $\mu\text{g/L}$, 510 $\mu\text{g/L}$, and 1,200 $\mu\text{g/L}$ in wells MW-7, MW-9, and MW-1, respectively. Samples collected from MW-1, MW-7, and MW-9 had detectable levels of toluene at concentrations of 2,400 $\mu\text{g/L}$, 0.74 $\mu\text{g/L}$, and 2,900 $\mu\text{g/L}$, respectively. Samples taken from MW-1 and MW-9 had concentrations above the LRLs for ethyl-benzene, at 290 $\mu\text{g/L}$ and 490 $\mu\text{g/L}$, respectively. Samples collected from 2 of the 12 MWs sampled had detectable levels of total xylenes, at concentrations of 1,400 $\mu\text{g/L}$ (in MW-1) and 4,500 $\mu\text{g/L}$ (in MW-9). MTBE was detected above LRLs in samples collected from 6 of the 12 MWs, ranging in concentration from 2.4 $\mu\text{g/L}$ (in MW-8) to 130 $\mu\text{g/L}$ (in MW-9). The LRL was <100 $\mu\text{g/L}$ for TPHg, <0.50 $\mu\text{g/L}$ for benzene, toluene, and ethyl-benzene, <1.5 $\mu\text{g/L}$ for total xylenes, and <1.0 $\mu\text{g/L}$ for MTBE. Di-isopropyl ether (DIPE) and tert-butanol (TBA) were detected in the sample taken from MW-5 at a concentration of 7.7 $\mu\text{g/L}$ and 41 $\mu\text{g/L}$, respectively, and below LRLs in the remaining 11 wells. Ethyl tert-butyl ether (ETBE) and tert-amyl methyl ether (TAME) concentrations in all samples collected were below LRLs, which ranged from <5.0 $\mu\text{g/L}$ to <120 $\mu\text{g/L}$ (SECOR, 2005a).

A summary of historic groundwater levels and chemical analysis results is included in Table 6. Figure 9 illustrates the concentrations of dissolved MTBE, benzene, and TPHg in the groundwater beneath the Site on September 27, 2005. A copy of the laboratory analytical report and chain-of-custody documentation is included in Appendix E.

5.2.3 Estimated Distribution of Hydrocarbons in the Subsurface

Soil sample analytical data indicates elevated concentrations of TPHg in the vicinity of the former fuel USTs, located in the southern corner of the Site; in the vicinity of the former used oil UST, located in the central southern portion of the Site, and; in the vicinity of the former dispenser islands in the northeast corner of the Site. The maximum TPHg concentration detected in subsurface soil was in the sample collected from B-1/MW-1 in February 1997, reported as 28,000 mg/kg at a depth of 30 ft bgs. The maximum TPHg concentration detected during this assessment (CB-1 through CB-5) was reported in the sample taken from CB-1 at a depth of 60 ft bgs, reported as 1,100 mg/kg.

6.0 ESTIMATED TIME FOR GROUNDWATER TO REACH CLEANUP GOALS

This section provides an estimate of the time required for groundwater concentrations below the Site to reach State of California primary drinking water maximum contaminant levels (MCLs). It has already been demonstrated that the dissolved-phase hydrocarbon plume below the Site is stable (Section 3.0). Of the 12 groundwater monitoring wells at the Site, wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-8, MW-10, MW-11, and MW-12 have been near or below the MCLs for dissolved-phase benzene and/or MTBE at the MCLs of 1.0 µg/L and 13 µg/L, respectively, for at least one year. Benzene and/or MTBE concentrations in wells MW-1, MW-7 and MW-9 have been above MCLs in the last year. Recent dissolved-phase benzene and MTBE concentrations in site wells are summarized in Table 6.

It has been observed that the attenuation of dissolved phase hydrocarbon concentrations at fuel hydrocarbon sites generally follows a first-order decay trend once the majority of hydrocarbon source material has been removed. The following equation has been used to describe the observed concentration decrease at a point (e.g. monitoring well) within a dissolved phase hydrocarbon plume:

$$C = C_0 e^{-kt}$$

Where: C = concentration at time t (µg/L)
 C_0 = peak concentration (µg/L)
 k = overall attenuation rate constant (days⁻¹)
 t = elapsed time after observation of peak concentration (days)

To estimate the time for remaining benzene and MTBE below the Site to attenuate to MCLs, SECOR used concentration trends in wells MW-1, MW-7, and MW-9 to estimate first-order attenuation rate constants for benzene and MTBE. The attenuation rate constant was estimated by utilizing the equation above with the peak concentration (C_0) for the given well and the concentration from the most recent groundwater sampling event. This calculated first-order degradation rate constant gives an approximate natural attenuation rate around a given well. The resulting rate constants were then used to extrapolate the estimated time to reach MCLs at the Site.

For benzene in well MW-1, a data set beginning with the maximum observed concentration of 18,000 µg/L on April 26, 1999 to 1,200 µg/L on October 20, 2005 was used for analysis. A semi-log plot of benzene concentration versus time for well MW-1 is presented as Figure 10. A least-squares statistical method was used to calculate the best-fit trend line through the data set. The best-fit trend line and equation are included on Figure 10. The slope of the best-fit line (0.0007 days⁻¹) is the estimated first-order attenuation rate constant for the data set. The first order decay equation and estimated rate constant are then used to estimate the time required for benzene concentrations to reach the MCL of 1 µg/L. This method estimated that benzene concentrations in the vicinity of well MW-1 will reach 1 µg/L in approximately 32 years. A summary of the trend analysis for well MW-1 is provided in Table 7.

This same approach was used to evaluate MTBE concentration data for well MW-1. A data set beginning with the maximum observed concentration of 1,800 µg/L on February 19, 1999 to 100

µg/L on October 20, 2005 was used for analysis. A semi-log plot of MTBE concentration versus time for well MW-1 and the resulting best-fit trend line and equation are presented as Figure 10. The slope of the best-fit line (0.0006 days^{-1}) is the estimated first-order attenuation rate constant for the data set. The equation for the best-fit line was then used to estimate the time required for MTBE concentrations to reach the MCL of 13 µg/L. This method estimated that MTBE concentrations in the vicinity of well MW-1 will reach 13 µg/L in approximately 16 years. A summary of the well MW-1 trend analysis is provided in Table 7.

For benzene in well MW-7, a data set beginning with the maximum observed concentration of 2,900 µg/L on January 22, 1998 to 51 µg/L on October 20, 2005 was used for analysis. A semi-log plot of benzene concentration versus time for well MW-7 is presented as Figure 11. A least-squares statistical method was used to calculate the best-fit trend line through the data set. The best-fit trend line and equation are included on Figure 11. The slope of the best-fit line (0.0013 days^{-1}) is the estimated first-order attenuation rate constant for the data set. The first order decay equation and estimated rate constant are then used to estimate the time required for benzene concentrations to reach the MCL of 1 µg/L. This method estimated that benzene concentrations in the vicinity of well MW-7 will reach 1 µg/L in approximately 9 years. A summary of the trend analysis for well MW-7 is provided in Table 7.

For MTBE in well MW-7, a data set beginning with the maximum observed concentration of 53 µg/L on March 31, 2000 to 7.2 µg/L on October 20, 2005 was used for analysis. A semi-log plot of benzene concentration versus time for well MW-7 is presented as Figure 11. A least-squares statistical method was used to calculate the best-fit trend line through the data set. The best-fit trend line and equation are included on Figure 11. The slope of the best-fit line (0.0001 days^{-1}) is the estimated first-order attenuation rate constant for the data set. MTBE concentrations in well MW-7 have been less than the MTBE MCL of 13 µg/L since September 2000, therefore no additional analysis of MTBE RNA is necessary. A summary of the trend analysis for well MW-7 is provided in Table 7.

For benzene in well MW-9, a data set beginning with the maximum observed concentration of 7,500 µg/L on August 27, 1998 to 510 µg/L on October 20, 2005 was used for analysis. A semi-log plot of benzene concentration versus time for well MW-9 is presented as Figure 12. A least-squares statistical method was used to calculate the best-fit trend line through the data set. The best-fit trend line and equation are included on Figure 12. The slope of the best-fit line (0.0008 days^{-1}) is the estimated first-order attenuation rate constant for the data set. The first order decay equation and estimated rate constant are then used to estimate the time required for benzene concentrations to reach the MCL of 1 µg/L. This method estimated that benzene concentrations in the vicinity of well MW-9 will reach 1 µg/L in approximately 23 years. A summary of the trend analysis for well MW-9 is provided in Table 7.

This same approach was used to evaluate MTBE concentration data for well MW-9. A data set beginning with the maximum observed concentration of 2,500 µg/L on August 27, 1998 to 130 µg/L on October 20, 2005 was used for analysis. A semi-log plot of MTBE concentration versus time for well MW-9 and the resulting best-fit trend line and equation are presented as Figure 12. The slope of the best-fit line (0.0007 days^{-1}) is the estimated first-order attenuation rate constant for the data set. The equation for the best-fit line was then used to estimate the time required for MTBE concentrations to reach the MCL of 13 µg/L. This method estimated that MTBE

concentrations in the vicinity of well MW-1 will reach 13 µg/L in approximately 13 years. A summary of the well MW-9 trend analysis is provided in Table 7.

Based on a review of the site data, the groundwater concentrations below the site should consistently reach MCLs within approximately 32 years. This estimate allows for a reasonable amount of uncertainty due to the possible presence of small pockets of residual hydrocarbons below the site that could result in future short-term rises in benzene and MTBE concentrations above MCLs and in wells with LPH. This estimate assumes that there are no additional releases at the Site.

7.0 SUMMARY OF FINDINGS AND CONCLUSIONS

7.1 SUMMARY OF FINDINGS

Based on the findings of the site assessment, SECOR makes the following summary of findings concerning the nature, extent, and severity of petroleum hydrocarbon impacts to subsurface soil, oil, gas, and groundwater at the Site and in the Site vicinity:

- The subject site is located within the Mission San Diego Hydrologic Sub Area (HSA 7.11) of the Lower San Diego Hydrologic Area (HA 7.10) in the San Diego Hydrologic Unit (7.00), as outlined in the California Regional Water Quality Control Board Basin Plan (CRWQCB, 1994). Groundwater within this HSA is currently designated as beneficial for agricultural supply, industrial process, and industrial service supply uses. It is listed as having the potential for beneficial use for municipal and domestic supply. However, in the vicinity of the site location, these beneficial uses do not apply and the area is exempted from the sources of drinking water policy. Groundwater measurements taken on October 20, 2005 indicate a range in static DTW from 18.01 (in MW-10) to 19.62 (in both MW-7 and MW-12) feet bgs.
- Soil lithologies encountered during the drilling of CB-1 through CB-5 generally consisted of sandy silt to silty sand to approximately 80 ft bgs, the maximum depth of exploration.
- Elevated concentrations of TPHg in subsurface soil appear to be limited to the vicinity of the former used oil and fuel USTs, located in the central to southern corner of the Site, and in the vicinity of the former dispenser islands in the northeast corner of the Site.
- Dissolved benzene and MTBE concentrations in groundwater have been relatively stable for at least two years and do not appear to be migrating further off-site, indicating plume stability.
- A sensitive receptor survey (SRS) was conducted by SECOR in March 2005 by evaluating public database records compiled by public agencies and database vendors and by conducting a field reconnaissance in the vicinity of the site. The SRS did not identify any domestic water wells or agriculture/irrigation wells within a one-mile radius of the site (SECOR, 2005b).
- The four high vacuum mobile remediation system events between April 2001 and November 2001 removed 2,065 pounds of hydrocarbons in the soil and groundwater. The SVE system which was in operation from October 2002 to February 2005 removed 6,205 lbs of VFH until the hydrocarbon mass removal rate was asymptotic.
- The remaining hydrocarbon concentrations in groundwater have been shown to be naturally attenuating.

7.2 CONCLUSIONS

Based on the findings of this and previous assessments at the Site, SECOR draws the following conclusions concerning the nature, extent, and severity of petroleum hydrocarbon impacts from UAR #H12455 on environmental media at the Site and in the Site vicinity:

- Residual hydrocarbon impact to subsurface soil on-site appears to be limited to the vicinity of the former used oil and fuel USTs, located in the central to southern section of the Site, and in the vicinity of the former dispenser islands in the northeast corner of the Site. Hydrocarbon impacts to the subsurface soil at the Site appear to be adequately defined.
- Dissolved phase hydrocarbon impact to groundwater appears to be adequately defined upgradient to the west of the Site, downgradient to the east of the Site, and crossgradient to the south of the Site. Hydrocarbon impact to groundwater is undefined crossgradient to the north of MW-5. The groundwater plume appears to be stable at the Site.
- The source area of the hydrocarbons in the soil and groundwater at the Site has been removed by active remediation to the extent feasible.
- The remaining residual hydrocarbon concentrations in soil and groundwater will remediate by natural attenuation within the next 32 years.

8.0 RECOMMENDATIONS

Based on the information presented in this report, SECOR recommends the following:

- The SVE system should be removed from the subject Site.
- The quarterly groundwater monitoring and sampling program at the Site should be discontinued and all the wells should be destroyed in accordance with SAM requirements.
- A "No Further Action Required" determination document should be issued by the OCHCA for UAR Case #H12455 associated with Former Chevron Station No. 9-1834.

9.0 STANDARD LIMITATIONS

The findings and conclusions in this report have been prepared for the specific application to this project and have been developed in a manner consistent with the level of care and skill normally exercised by members of the environmental scientific profession currently practicing under similar conditions in the area at the time this investigation was performed. No warranty, express or implied, is made. This report is for the exclusive use of Chevron and its representatives.

A potential always remains for the presence of unknown, unidentified, or unforeseen subsurface contamination. Further evidence against such potential site contamination would require additional subsurface exploration and testing.

If new information is discovered during future site work (which may include excavations, boreholes, or other studies), SECOR should be requested to re-evaluate the conclusions of this report and to provide amendments as required.

10.0 REFERENCES

Alton Geoscience, 1997a, *Initial Site Assessment*, Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California, June 26, 1997.

Alton Geoscience, 1997b, *Soil Vapor Extraction Testing*, Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California, July 25, 1997.

Alton Geoscience, 1999a, *Dual-Phase Extraction Pilot Test*, Chevron Station #9-1834, 4175 Voltaire Street, San Diego, California, October 26, 1999.

Alton Geoscience, 1999b, *Site Assessment*, Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California, October 26, 1999.

American Society for Testing Materials (ASTM) Standard D 2488-93.

California Regional Water Quality Control Board (CRWQCB), San Diego, 1994, *Water Quality Control Plan, San Diego Basin* (9).

County of San Diego, 2004, Department of Environmental Health Land and Water Quality Division, Site Assessment and Mitigation (SAM) Program, *2004 SAM Manual*.

Geological Society of America, *Rock-Color Chart*, 1995.

Kennedy and Peterson, 1975, *Geology of the San Diego Metropolitan Area, San Diego County, CA: Geologic Map to Accompany California Division of Mines and Geology, Bulletin 200*.

SECOR Groundwater Report, 2005a, *Third and Fourth Quarter 2005 Groundwater Monitoring Report*, Former Chevron Service Station No. 9-1834, 4175 Voltaire Street, San Diego, California, January 19, 2006.

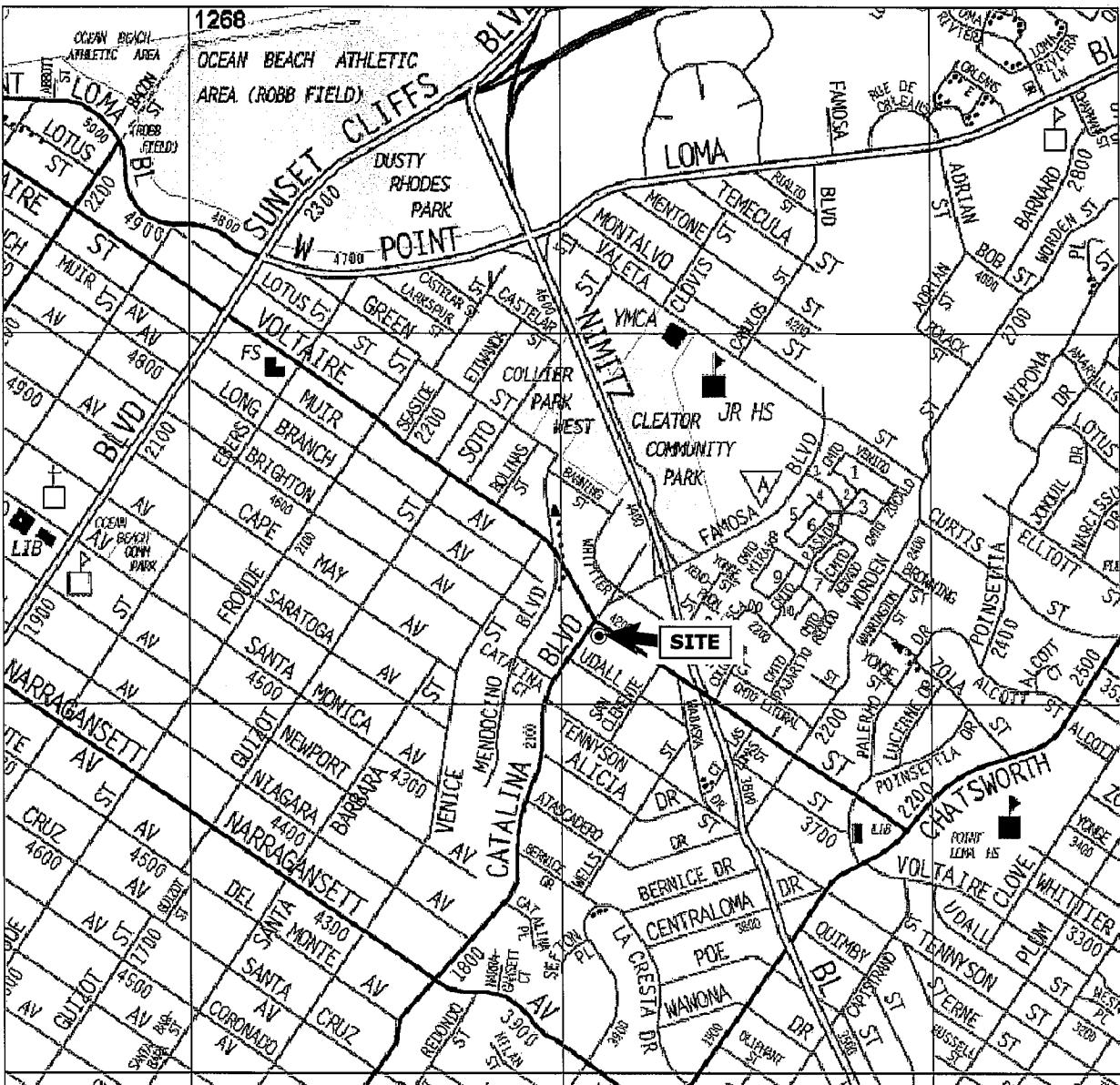
SECOR International, Inc., 2005b, *Sensitive Receptor Survey*, Former Chevron Service Station #9-1834, 4175 Voltaire Street, San Diego, California, April 4, 2005.

U.S. Geological Survey, 1967 (Photorevised 1975), *Point Loma Quadrangle, 7.5-minute Topographic Map Series*, San Diego County, California.

SECOR

FIGURES

Site Assessment Report
Former Chevron Station No. 9-1834
4175 Voltaire Street
San Diego, CA 92107
08CH.51834.05.0590
January 25, 2006



REFERENCE: THOMAS GUIDE CD-ROM, PAGE & GRID 1268 B6.



0 1320 2640

APPROXIMATE SCALE IN FEET

 SECOR 2655 CAMINO DEL RIO NORTH, SUITE 302 SAN DIEGO, CALIFORNIA PHONE: (619) 296-6195/296-6199 (FAX)	PREPARED FOR: FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	FIGURE: SITE LOCATION MAP			
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:	
08CH.41834.05	PD				12/27/05

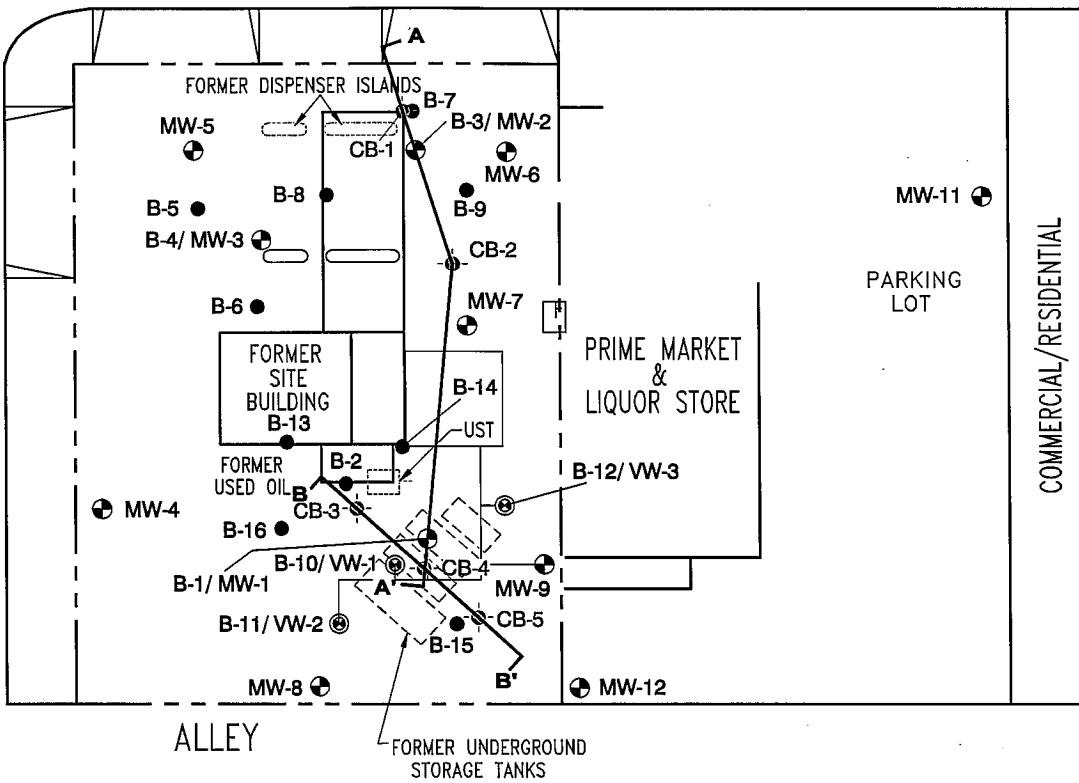
COMMERCIAL

VOLTAIRE STREET

7-11

CATALINA BOULEVARD

COMMERCIAL/RESIDENTIAL



LEGEND:

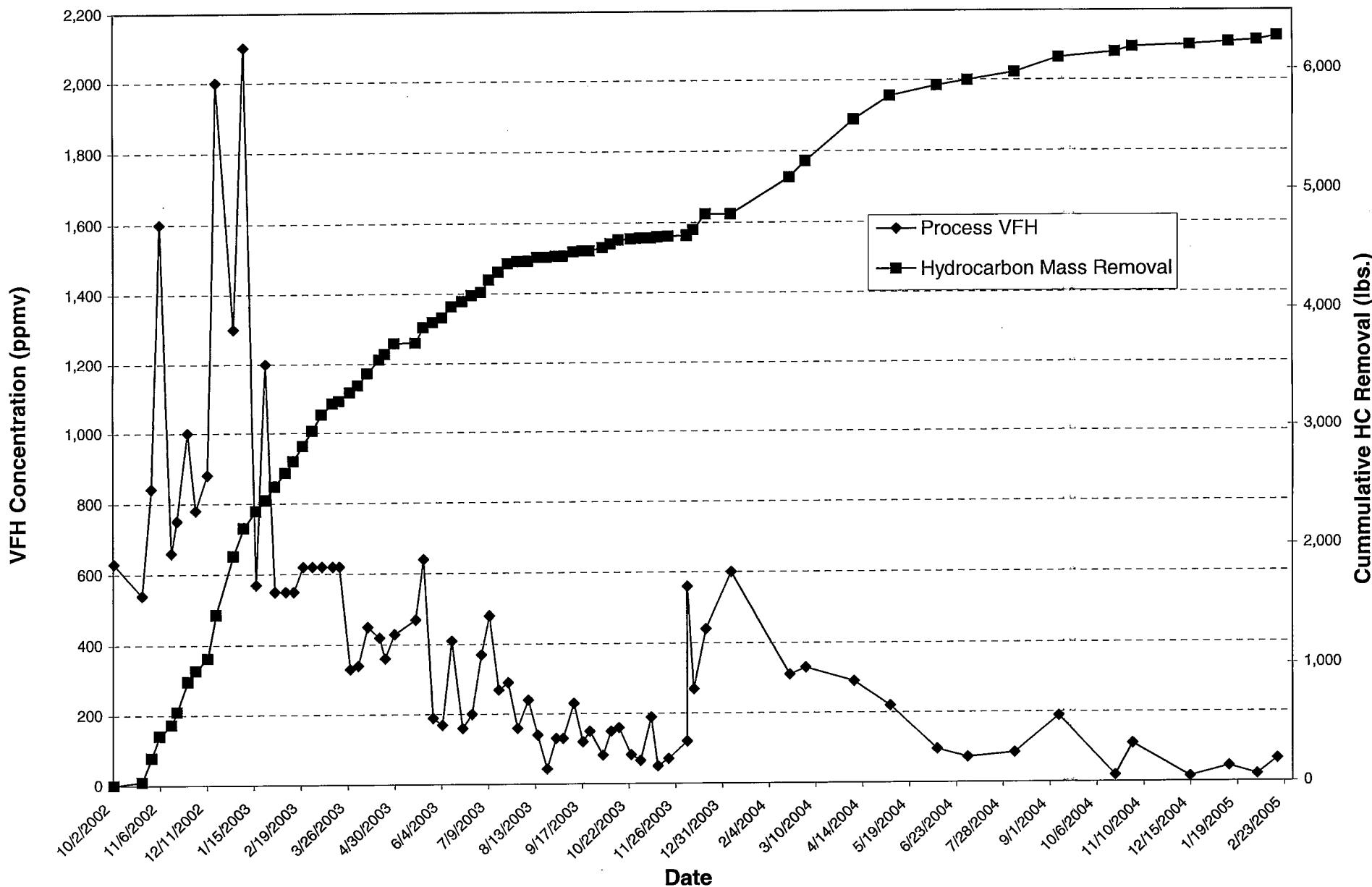
- MW-1 (●) MONITORING WELL
- VE-1 (◎) NESTED VAPOR EXTRACTION WELL
- B-1 (●) SOIL BOREHOLE
- CB-2 (●) CONFIRMATION BORING LOCATION

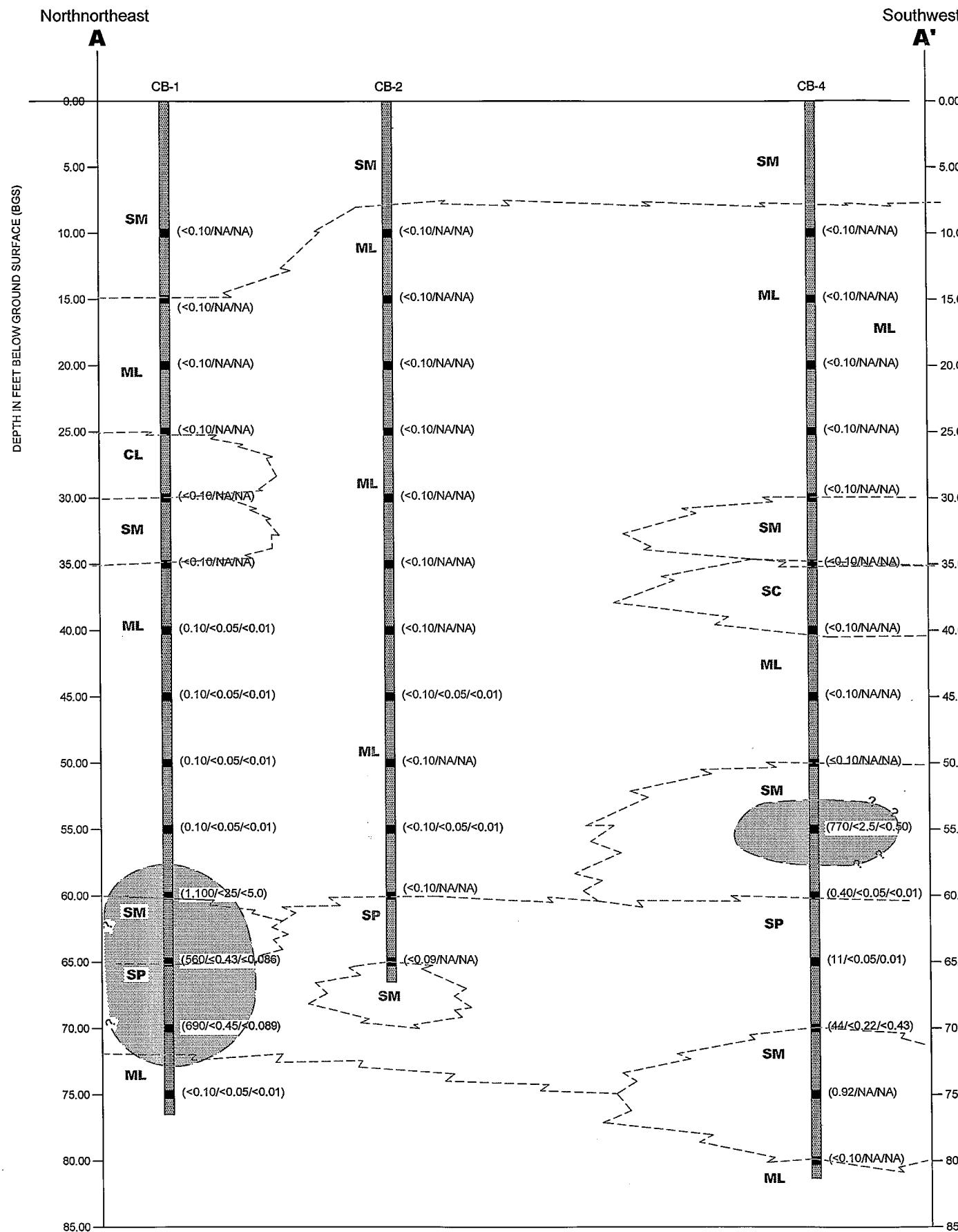
0 40 80

APPROXIMATE SCALE (FEET)

 SECOR 2655 CAMINO DEL RIO NORTH, SUITE 302 SAN DIEGO, CALIFORNIA PHONE: (619) 296-6195/296-6199 (FAX)	PREPARED FOR: FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	SITE PLAN WITH GEOLOGIC CROSS SECTION LINES	FIGURE: 2
JOB NUMBER: 08CH.41834.05	DRAWN BY: JA	CHECKED BY:	APPROVED BY:

FIGURE 3
SVE System Performance
Former Chevron No. 9-1834
4175 Voltaire Street, San Diego, CA





LEGEND:

CB-1 BOREHOLE IDENTIFICATION

INDICATES BACKFILLED BOREHOLE

(<0.10/<0.05/<0.01) SOIL SAMPLE LOCATION WITH TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPHg), BENZENE, AND METHYL TERT-BUTYL ETHER (MTBE) CONCENTRATIONS MEASURED IN MILLIGRAMS PER KILOGRAM (mg/kg).

< LESS THAN REPORTING LIMIT INDICATED

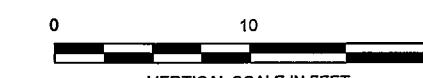
ESTIMATED EXTENT OF RESIDUAL PETROLEUM HYDROCARBONS IN SOIL (TPHg \geq 100mg/kg); DASHED WHERE INFERRED, QUERIED WHERE UNKNOWN

CL CLAY

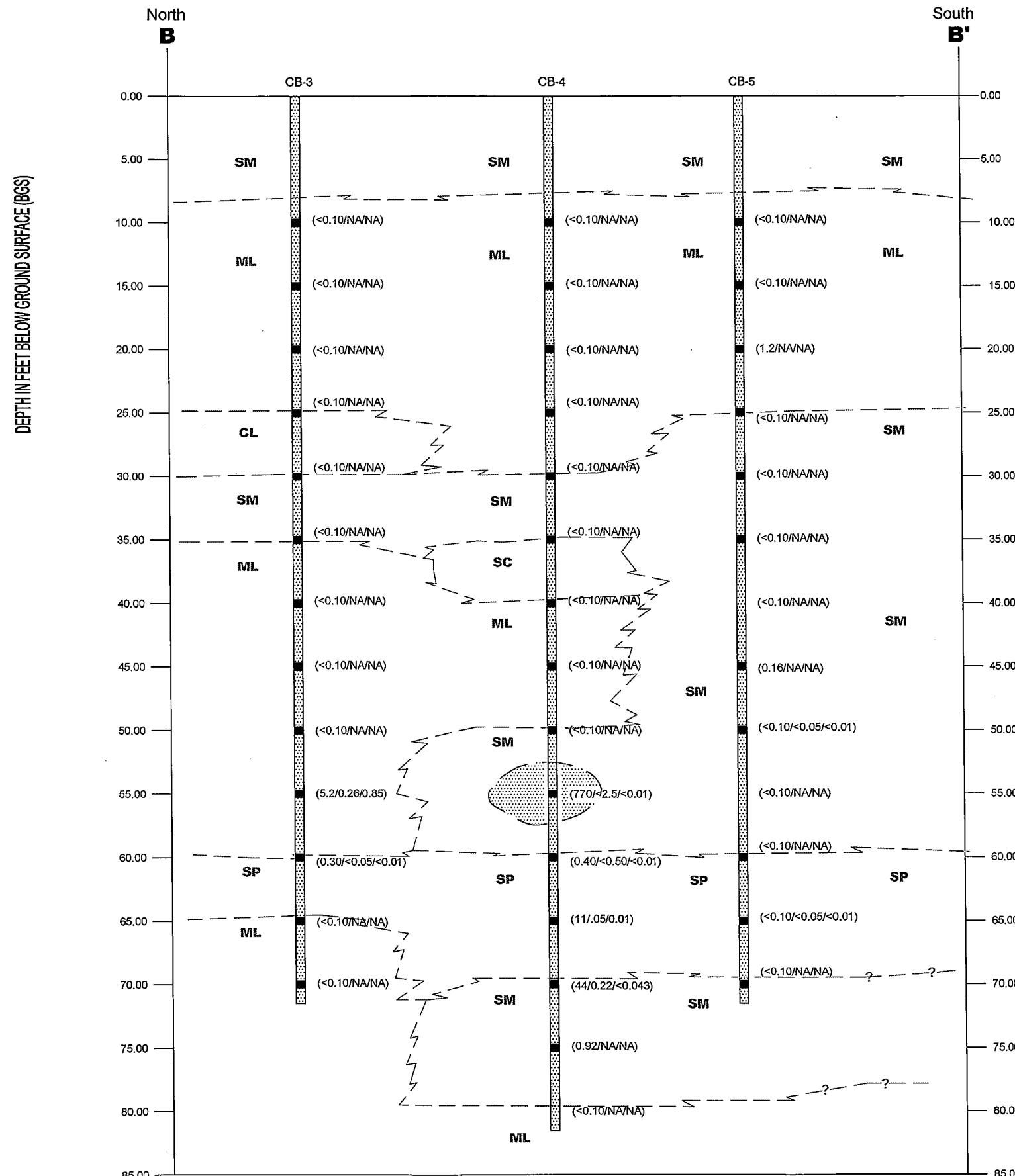
ML SILT

SP POORLY GRADED SAND

SM SILTY SAND

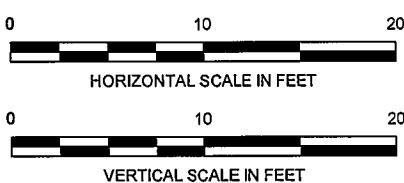


FOR: FORMER CHEVRON STATION No. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	GEOLOGIC CROSS SECTION A-A'	FIGURE: 4
JOB NUMBER: 08CH.41834.05	DRAWN BY: JA	CHECKED BY: APPROVED BY: DATE: 1/23/06



SECOR
2655 CAMINO DEL RIO NORTH, SUITE 302
SAN DIEGO, CALIFORNIA
PHONE: (619) 296-6195/296-6199 (FAX)

FOR:
FORMER CHEVRON
STATION No. 9-1834
4175 VOLTAIRE STREET
SAN DIEGO, CALIFORNIA



GEOLOGIC CROSS SECTION
B-B'

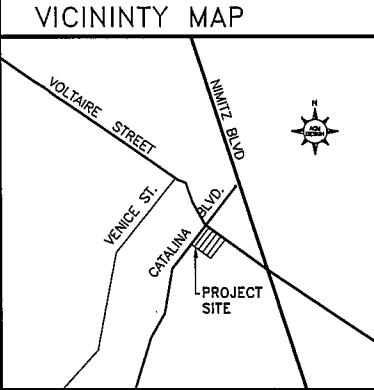
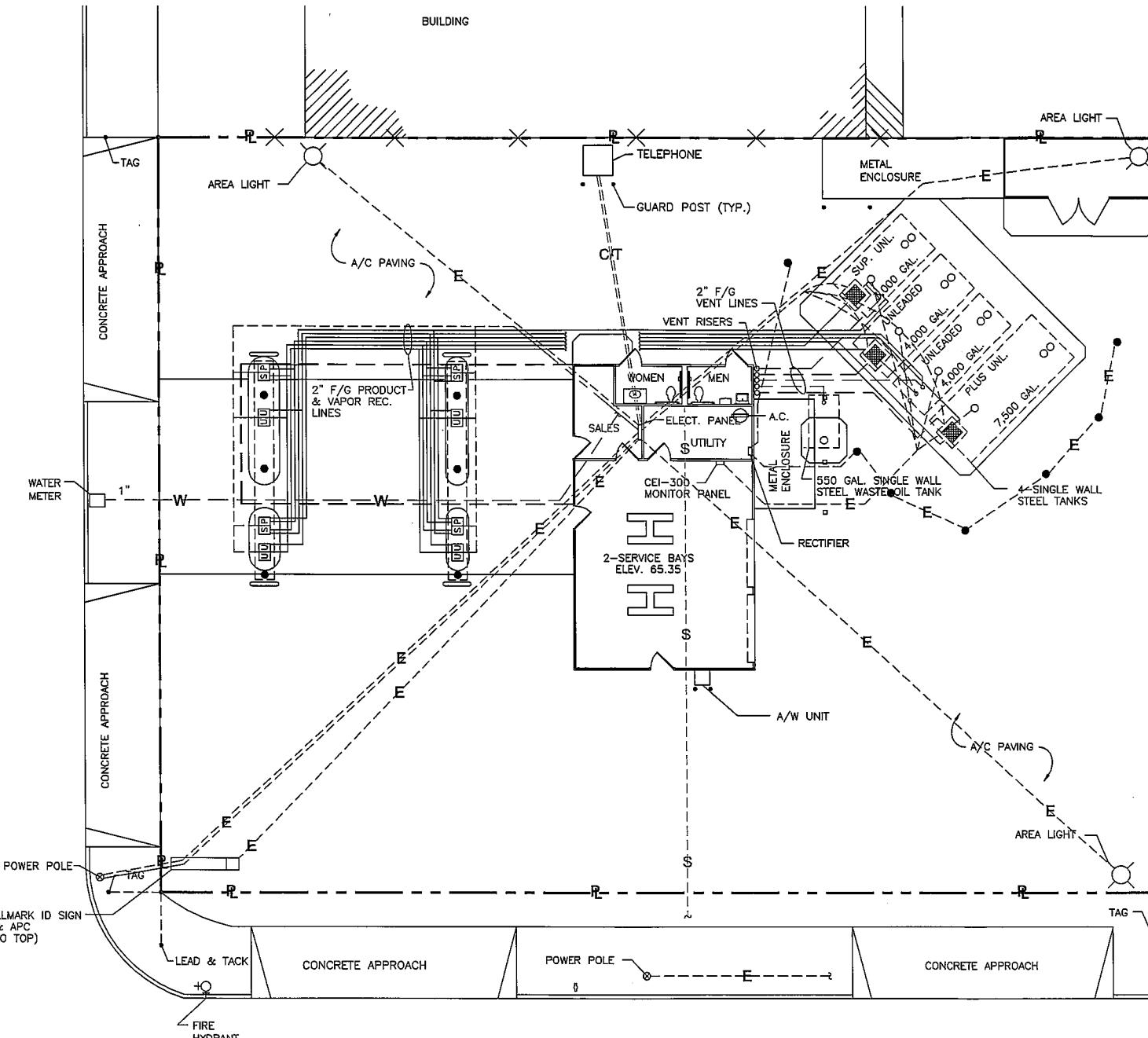
5

JOB NUMBER: 08CH.41834.05	DRAWN BY: JA	CHECKED BY:	APPROVED BY:	DATE: 1/23/06
---------------------------	--------------	-------------	--------------	---------------

VOLTAIRE STREET

ALLEY

CATALINA BLVD.



LEGEND:

- S--- SEWER
- W--- WATER
- E--- ELECTRIC (OVERHEAD)
- C/T--- CABLE/TELEPHONE
- P--- APPROXIMATE PROPERTY BOUNDARY
- C--- CENTER LINE

0 20 40
APPROXIMATE SCALE IN FEET

No warranty is made by SECOR International, Inc. as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.



FOR:
FORMER CHEVRON
STATION No. 9-1834
4175 VOLTAIRE STREET
SAN DIEGO, CALIFORNIA

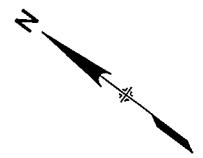
JOB NUMBER: 08CH.51834.05 DRAWN BY: JA CHECKED BY: APPROVED BY: DATE: 12/27/05

UTILITY SURVEY MAP

6

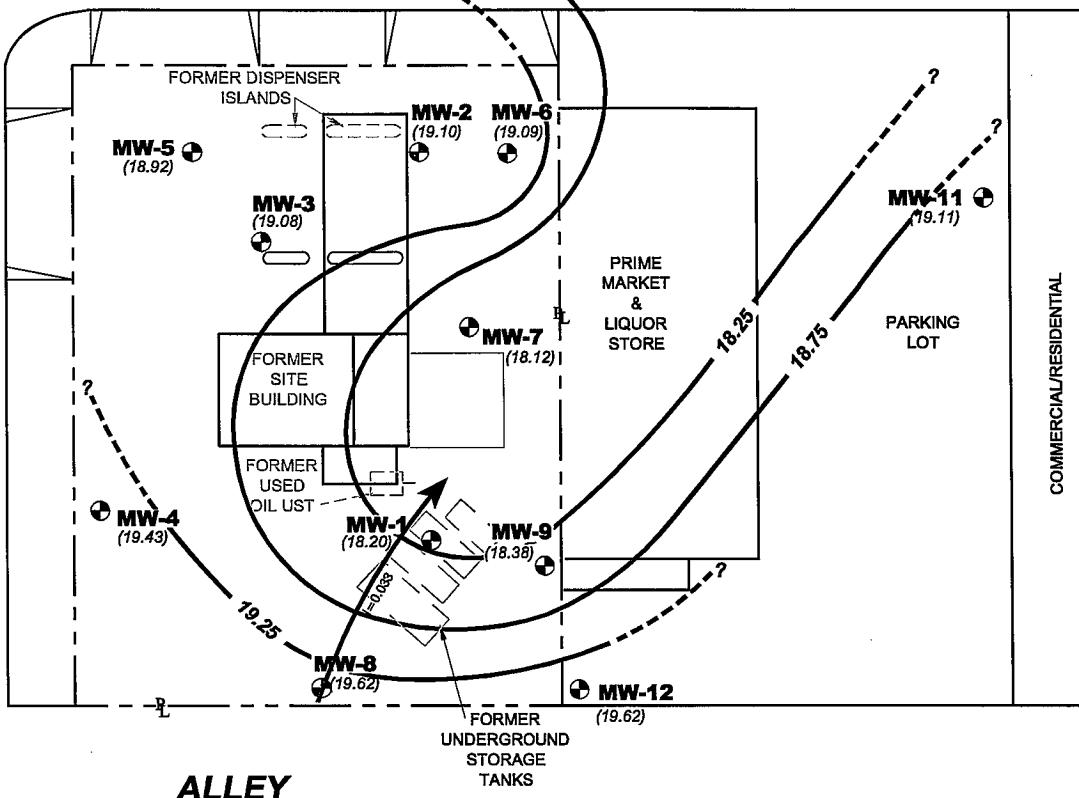
CATALINA BOULEVARD

COMMERCIAL



VOLTAIRE STREET

COMMERCIAL/RESIDENTIAL



LEGEND:

MONITORING WELL

APPROXIMATE PROPERTY BOUNDARY

(19.11) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL)

?--- 19.25 --- ESTIMATED GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MSL. DASHED WHERE INFERRED. QUERIED WHERE UNKNOWN.

$i=0.022$ APPROXIMATE DIRECTION OF GROUNDWATER FLOW AND HYDRAULIC GRADIENT (i)

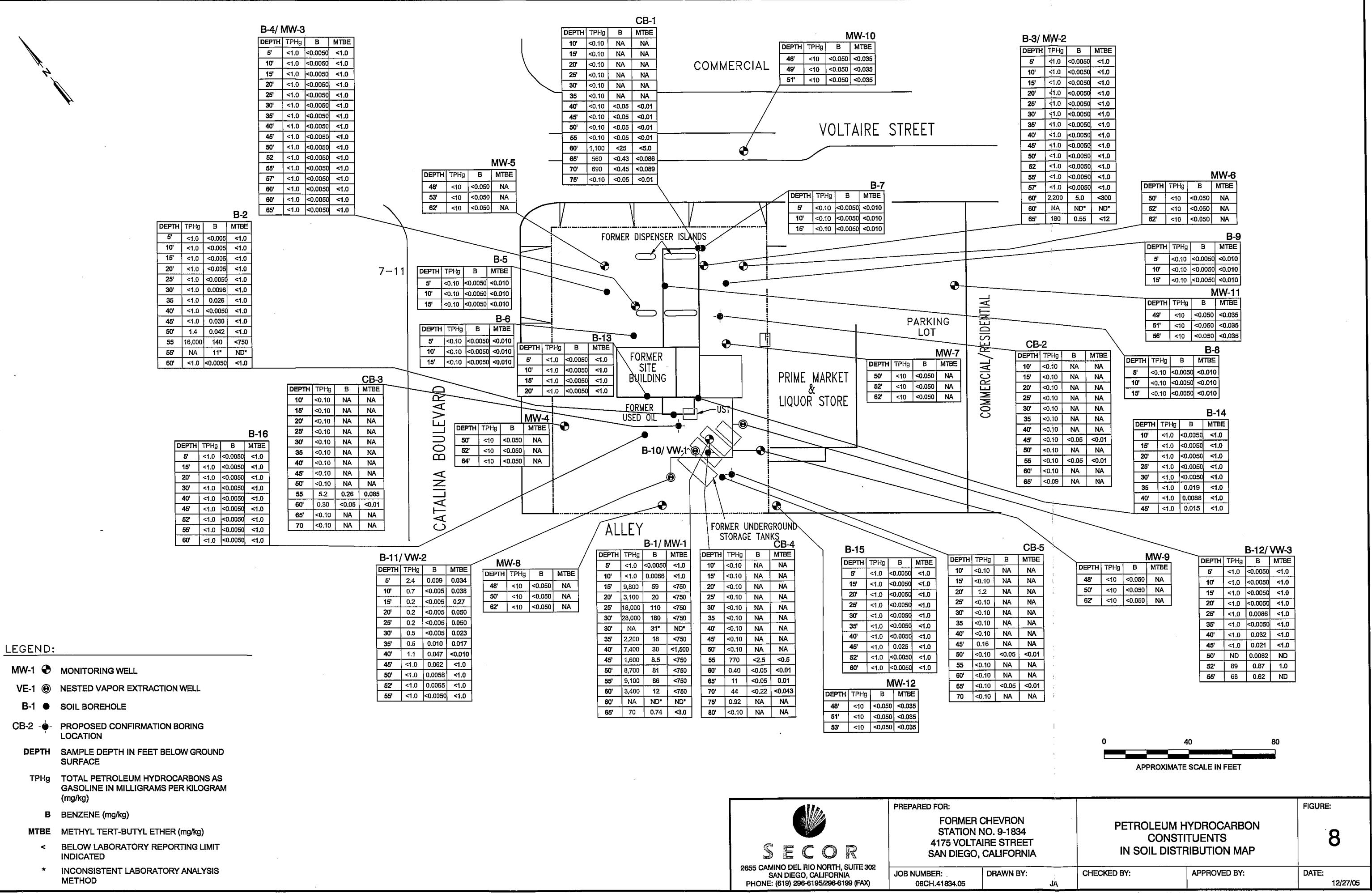
* ANOMALOUS DATA NOT USED IN CONTOURING

(NM) NOT MEASURED

0 40 80
APPROXIMATE SCALE IN FEET

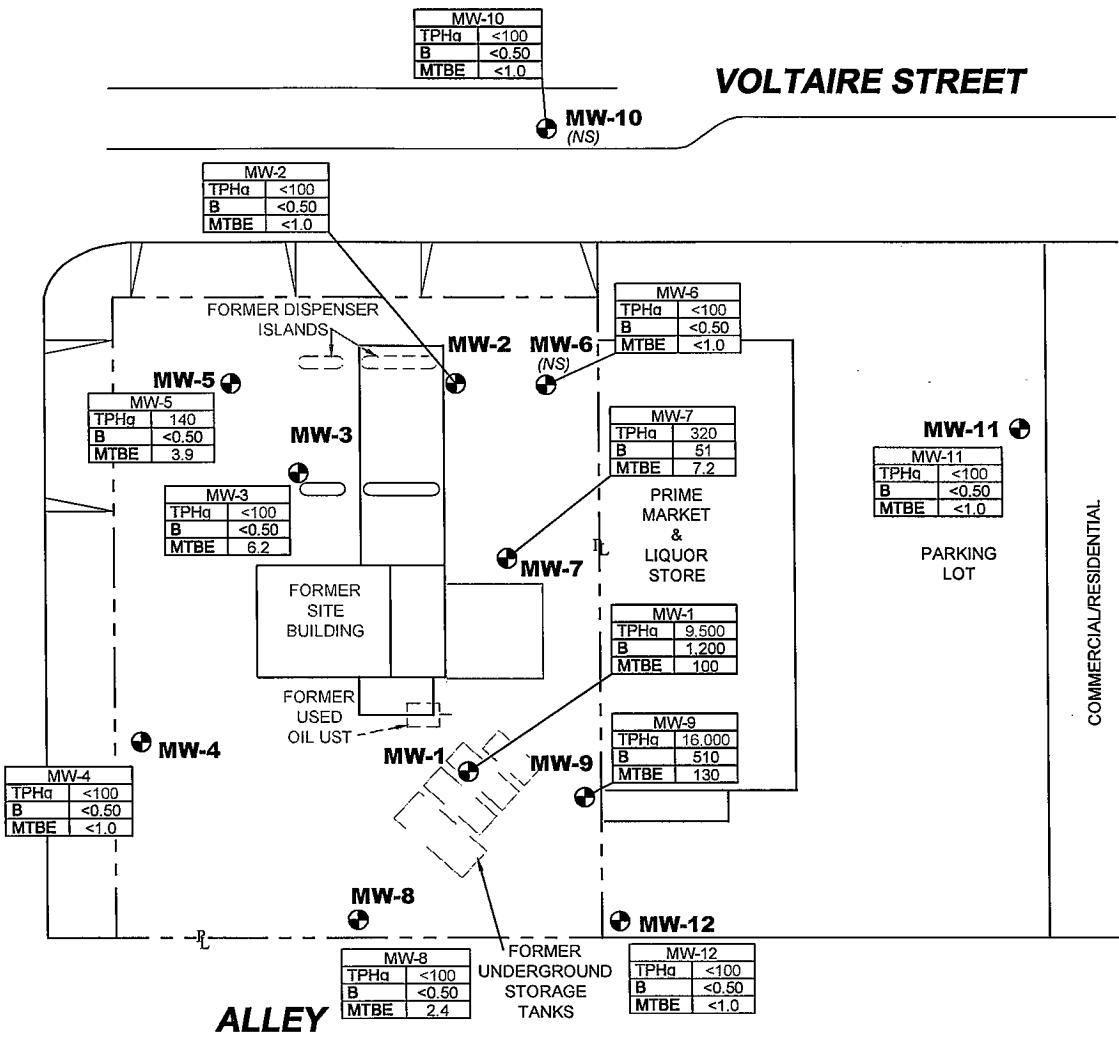
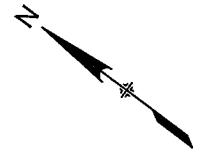
No warranty is made by SECOR International, Inc. as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

 SECOR 2655 CAMINO DEL RIO NORTH, SUITE 302 SAN DIEGO, CALIFORNIA PHONE: (619) 296-6195/296-6199 (FAX)	FOR: FORMER CHEVRON STATION No. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	GROUNDWATER GRADIENT MAP OCTOBER 20, 2005				FIGURE: 7
		JOB NUMBER: 08CH.41834.05	DRAWN BY: PD	CHECKED BY:	APPROVED BY:	
						DATE: 12/13/05



CATALINA BOULEVARD

COMMERCIAL



LEGEND:

● MONITORING WELL

— APPROXIMATE PROPERTY BOUNDARY

MW-7
TPHg <250
B 8.9
MTBE <2.5

TPHg/BENZENE/MTBE CONCENTRATIONS IN GROUNDWATER
SAMPLES. CONCENTRATIONS REPORTED IN MICROGRAMS PER
LITER ($\mu\text{g/L}$)

TPHg TOTAL PETROLEUM HYDROCARBONS AS GASOLINE

B BENZENE

MTBE METHYL TERT-BUTYL ETHER

< BELOW LABORATORY REPORTING LIMIT INDICATED

(NS) NOT SAMPLED

0 40 80
APPROXIMATE SCALE IN FEET

No warranty is made by SECOR International, Inc. as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.



SECOR

2655 CAMINO DEL RIO NORTH, SUITE 302
SAN DIEGO, CALIFORNIA
PHONE: (619) 296-6195/296-6199 (FAX)

FOR:

FORMER CHEVRON
STATION No. 9-1834
4175 VOLTAIRE STREET
SAN DIEGO, CALIFORNIA

DISSOLVED
HYDROCARBON CONSTITUENTS
DISTRIBUTION MAP
OCTOBER 20, 2005

FIGURE:

9

JOB NUMBER:
08CH.41834.05

DRAWN BY:

PD

CHECKED BY:

APPROVED BY:

DATE:

9/7/05

Figure 10
Natural Attenuation Trend Evaluation for MW-1
Former Chevron Satation 9-1834

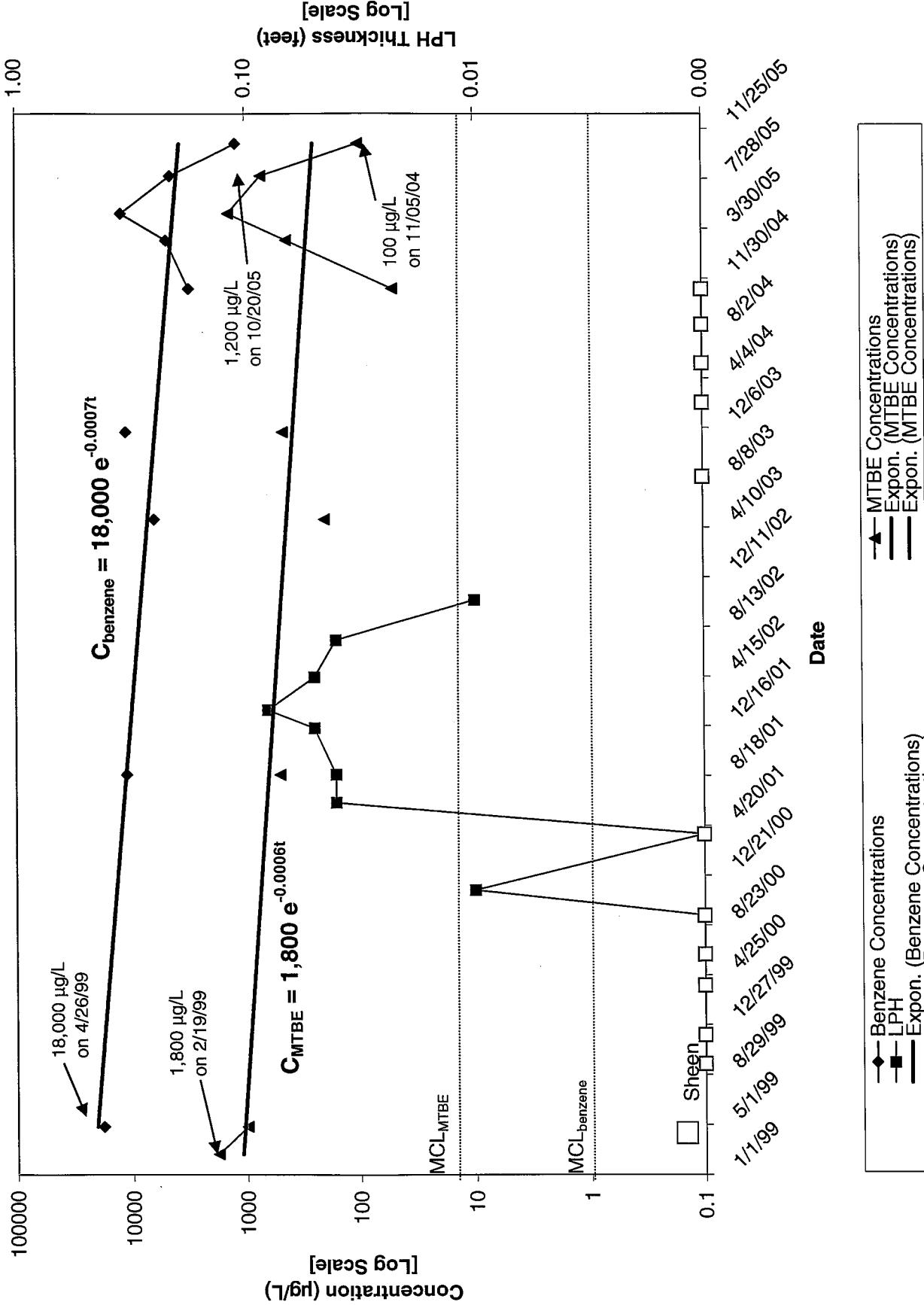


Figure 11
Natural Attenuation Trend Evaluation for MW-7
Former Chevron Station 9-1834

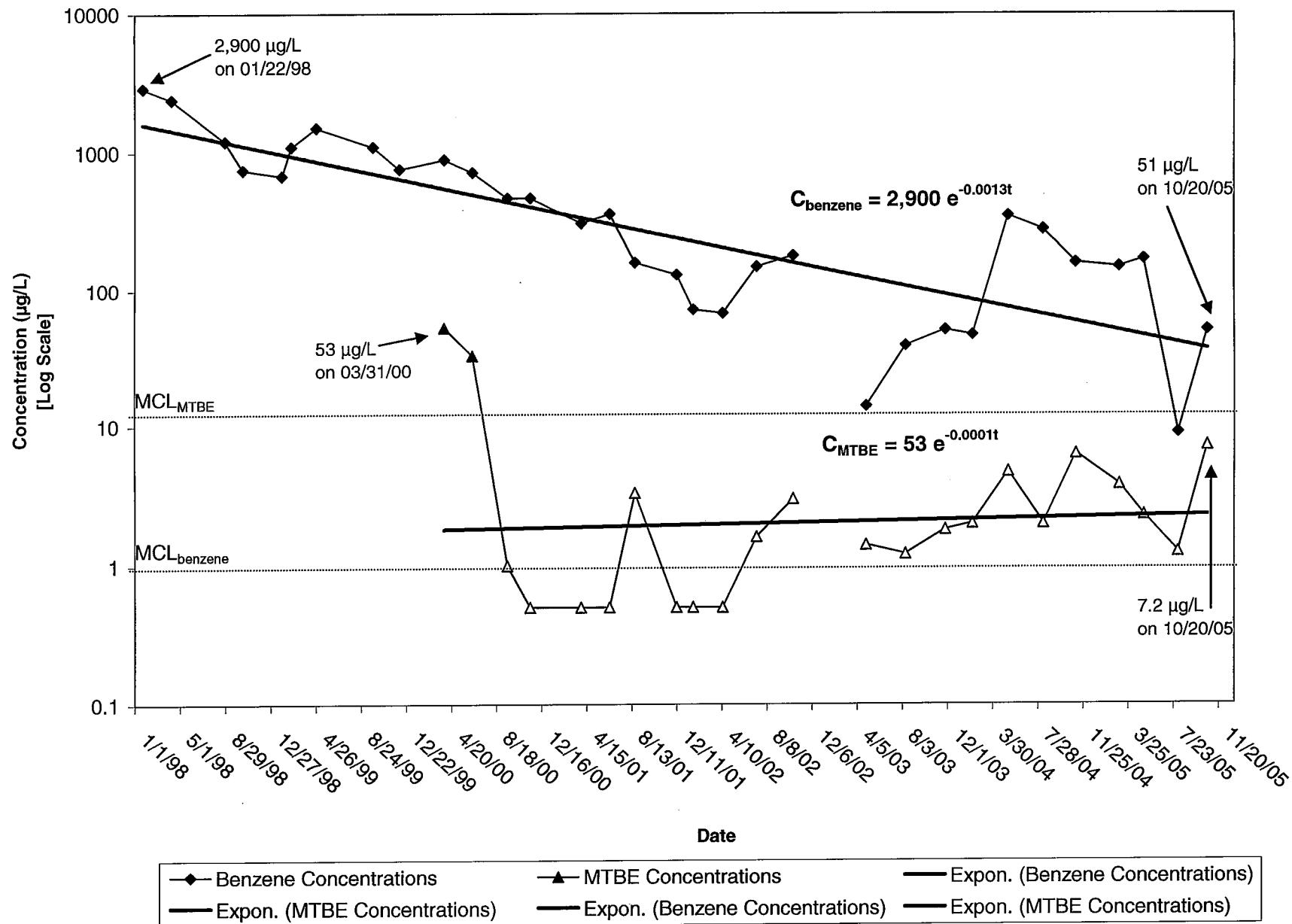
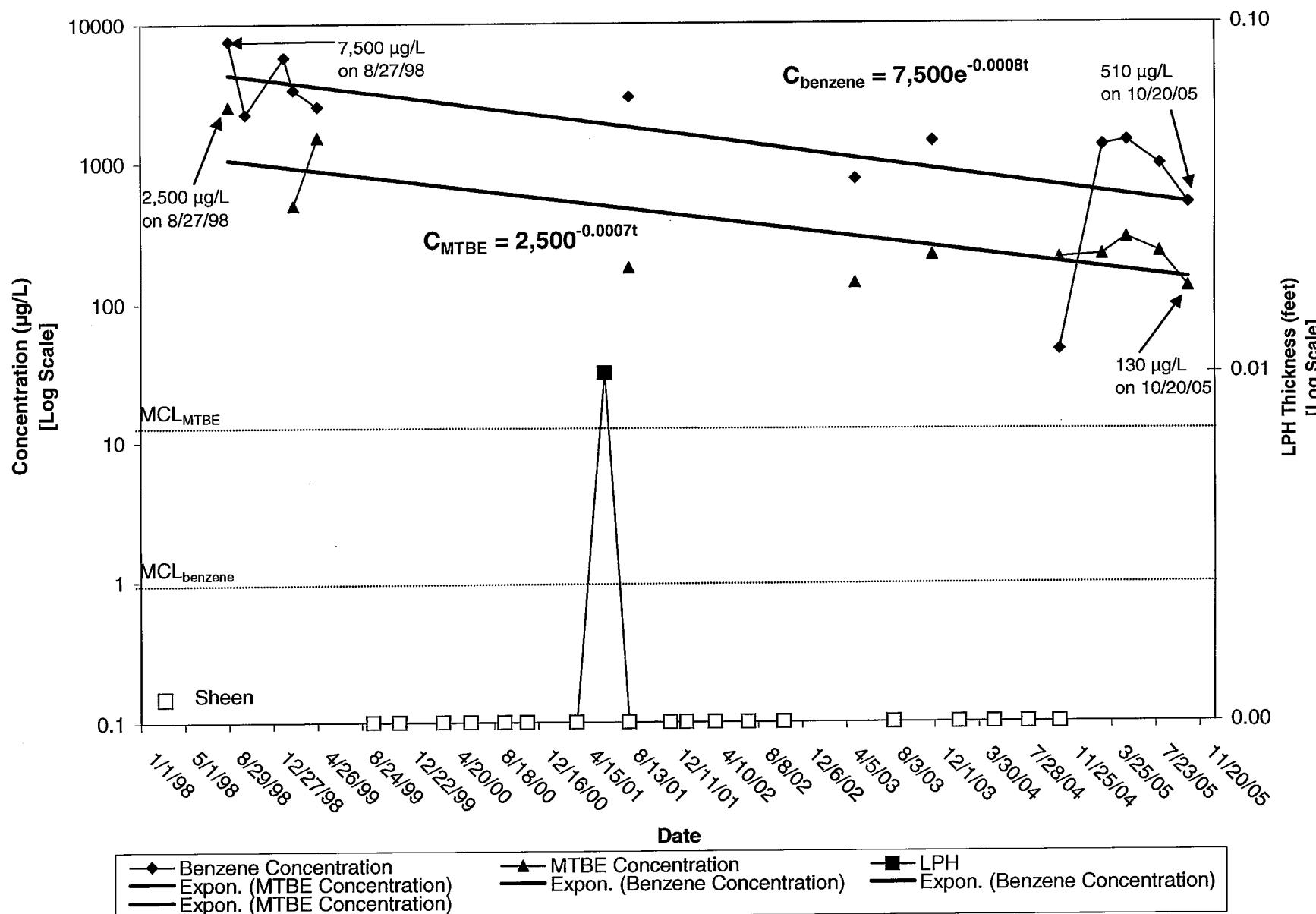


Figure 12
Natural Attenuation Trend Evaluation for MW-9
Former Chevron 9-1834



TABLES

Site Assessment Report
Former Chevron Station No. 9-1834
4175 Voltaire Street
San Diego, CA 92107
08CH.51834.05.0590
January 25, 2006

TABLE 1
Summary of SVE System Hydrocarbon Mass Removal
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-1S, VW-2S, VW-3S	10/02/02 16:15	~ 1945	0	-	100	630	< 4.0	0	0.0	System Start-up; temp breaker needs maintenance.
VW-1S, VW-2S, VW-3S	10/23/02 13:30	1980	35	7%	98	540	< 8.0	28	0.2	System down due to heating element breaker.
VW-1S, VW-2S, VW-3S	10/30/02 12:30	2144	199	98%	97	840	< 32	233	3.2	
VW-1S, VW-2S, VW-3S	11/05/02 12:00	2220	275	53%	99	1,600	39	417	6.7	
VW-1S, VW-2S, VW-3S	11/14/02 08:00	2314	369	44%	99	660	< 1.6	511	6.8	Heating element breaker repaired
VW-1S, VW-2S, VW-3S	11/18/02 09:30	2411	466	99%	100	750	< 1.6	623	6.9	
VW-1S, VW-2S, VW-3S	11/26/02 06:00	2579	634	89%	98	1,000	< 16	875	8.5	System down, high water alarm. Sampling error
VW-1S, VW-2S, VW-3S	12/02/02 13:00	2656	711	51%	100	780	1.6	966	8.6	Power outage due to storm.
VW-1S, VW-2S, VW-3S	12/11/02 14:00	2746	801	41%	87	880	< 1.6	1,072	8.7	System down, high water alarm. Sampling error.
VW-1S, VW-2S, VW-3S, MW-1	12/17/02 08:00	2883	938	99%	87	2,000	4.5	1,437	9.3	Opened one deep well
VW-1S, VW-2S, VW-3S, MW-1	12/30/02 16:00	3202	1257	100%	77	1,300	< 6.4	1,926	10.3	
VW-1S, VW-2S, VW-3S, MW-1	01/07/03 16:00	3295	1350	48%	78	2,100	< 6.4	2,159	10.5	System down, high temp. alarm.
VW-1S, VW-2S, VW-3S, MW-1	01/16/03 10:00	3503	1558	99%	78	570	< 1.6	2,300	10.7	
VW-1S, VW-2S, VW-3S, MW-1	01/23/03 10:00	3560	1615	34%	85	1,200	< 16	2,389	11.2	Unit was down due to high water and high temp.
VW-1S, VW-2S, VW-3S, MW-1	01/30/03 16:00	3729	1784	97%	80	550	< 1.6	2,503	11.3	
VW-1S, VW-2S, VW-3S, MW-1	02/07/03 16:00	3890	1945	84%	84	550	< 1.6	2,617	11.4	Unit was down due to high water.
VW-1S, VW-2S, VW-3S, MW-1	02/13/03 10:00	4034	2089	104%	81	550	< 1.6	2,715	11.5	Lab lost the vapor samples.
VW-1S, VW-2S, VW-3S, MW-1	02/20/03 14:00	4200	2255	97%	82	620	< 32	2,844	14.1	
VW-1S, VW-2S, VW-3S, MW-1	02/27/03 09:00	4364	2419	101%	83	620	< 32	2,973	16.7	No samples collected.

TABLE 1
Summary of SVE System Hydrocarbon Mass Removal
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-1S, VW-2S, VW-3S, MW-1	03/06/03 17:00	4540	2595	100%	83	620	< 32	3,112	19.5	
VW-1S, VW-2S, VW-3S, MW-1	03/14/03 15:00	4654	2709	60%	87	620	< 32	3,206	21.4	Heater Circuit blown on arrival. No samples collected.
VW-1S, VW-2S, VW-3S, MW-1	03/19/03 16:00	4681	2736	22%	80	620	< 1.6	3,227	21.4	Knock-out pot installed 3/18/03.
VW-1S, VW-2S, VW-3S, MW-1	03/27/03 09:30	4865	2920	99%	79	330	< 0.63	3,300	21.5	Replaced burnt cables 3/25/03.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/02/03 13:30	5014	3069	101%	80	340	< 8.0	3,362	22.1	Opened VW-1D and VW-3D, closed VW-2S
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/09/03 09:00	5176	3231	99%	90	450	< 8.0	3,463	22.8	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/18/03 09:00	5393	3448	100%	85	420	< 6.4	3,581	23.5	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/22/03 09:00	5488	3543	99%	92	360	< 8.0	3,629	23.9	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/29/03 15:00	5630	3685	82%	96	430	< 6.4	3,719	24.4	System down for gw sampling
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	05/15/03 08:30	5634	3689	1%	96	470	< 8.0	3,722	24.4	System down since 4/29/03
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	05/21/03 16:30	5784	3839	99%	90	640	< 1.6	3,854	24.5	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	05/28/03 12:30	5948	4003	100%	90	190	< 6.4	3,897	25.1	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/04/03 13:30	6117	4172	100%	91	170	< 4.0	3,937	25.5	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/11/03 09:00	6282	4337	101%	90	410	< 1.6	4,030	25.6	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/19/03 10:00	6475	4530	100%	90	160	< 1.6	4,073	25.8	Drained KO pot, manual dilution 15% open.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/26/03 09:40	6643	4698	100%	95	200	< 1.6	4,122	25.9	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/03/03 09:30	6693	4748	30%	95	370	< 1.6	4,148	26.0	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/09/03 00:00	6840	4895	109%	97	480	< 1.6	4,253	26.1	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/16/03 09:15	7005	5060	93%	95	270	< 1.6	4,318	26.3	

TABLE 1
Summary of SVE System Hydrocarbon Mass Removal
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/23/03 08:30	7172	5227	%	95	290	< 1.6	4,388	26.4	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/30/03 11:00	7248	5303	45%	97	160	< 1.6	4,406	26.5	Unit down upon arrival. Control panel sited power out restarted took samples.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/07/03 00:00	7249	5304	1%	95	240	< 1.6	4,407	26.5	Unit down upon arrival.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/14/03 09:00	7415	5470	94%	95	140	< 1.6	4,441	26.6	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/21/03 10:50	7416	5471	1%	95	43	< 1.6	4,441	26.6	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/28/03 00:00	7467	5522	32%	95	130	< 1.6	4,450	26.7	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/02/03 12:15	7467	5522	0%	98	130	< 1.6	4,450	26.7	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/10/03 12:15	7565	5620	51%	97	230	< 1.6	4,484	26.8	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/17/03 12:30	7609	5664	26%	95	120	< 1.6	4,491	26.8	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/22/03 00:00	7619	5674	9%	95	150	< 1.6	4,494	26.8	Unit down upon arrival; started and adjusted mechanics.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	10/02/03 09:30	7853	5908	94%	90	82	< 1.6	4,520	27.0	Optimized system.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	10/08/03 00:00	7997	6052	100%	90	150	< 1.6	4,550	27.1	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	10/14/03 11:00	8143	6198	94%	92	160	< 1.6	4,583	27.3	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	10/23/03 09:15	8216	6271	34%	92	83	< 1.6	4,591	27.3	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	10/30/03 00:00	8291	6346	47%	94	66	< 1.6	4,598	27.4	Unit down upon arrival (low flow). Adjusted manual dilution.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	11/07/03 09:00	8293	6348	1%	90	190	< 1.6	4,599	27.4	Unit down upon arrival (low temp). Raised vacuum (18") and flowrate (95
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	11/12/03 09:00	8413	6468	100%	93	50	< 1.2	4,608	27.5	

TABLE 1
Summary of SVE System Hydrocarbon Mass Removal
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/20/03 09:30	8464	6519	26%	93	71	< 1.2	4,613	27.5	Unit down upon arrival (power outage). Turned unit off at departure for groundwater sampling event next week.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	12/04/03 06:15	8480	6535	5%	97	120	< 1.6	4,615	27.5	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	12/04/03 15:00	8489	6544	98%	97	560	< 1.6	4,623	27.5	Dilution air adjusted and process sample taken.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	12/09/03 08:00	8602	6657	100%	90	270	< 1.6	4,665	27.6	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	12/18/03 09:10	8819	6874	100%	90	440	< 1.6	4,796	27.8	Turned off unit until 2004.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	01/06/04 08:15	8820	6875	0%	95	600	< 1.6	4,797	27.8	Turned unit on for 1st time in 2004.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	01/13/04 08:00	8989	7044	100%	90			4,797	27.8	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/23/04 10:00	9230	7285	100%	95			4,797	27.8	Installed ORC socks at 53' depth in MW-1 and MW-9. Drained 55 gallons from the knock-out pot.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	01/28/04 09:30	9348	7403	99%	95			4,797	27.8	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D,	02/04/04 12:00	9494	7549	86%	93			4,797	27.8	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	02/09/04 00:00							4,797	27.8	System down. GWS truck ran over above ground piping. SVE piping cracking and breaking.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7,	02/19/04 10:00	9493	7548	0%	95	310	< 1.6	5,101	28.4	Optimized system. Closed VW-3S & VW-3D due to low concentrations.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7,	02/26/04 00:00	9662	7717	100%	85			5,101	28.4	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/02/04 11:00	9784	7839	93%	90	330	< 1.6	5,233	28.7	Drained 45 gallons from knock out pot. Changed absorbent socks in MW-1 and MW-9. Drained 4" lateral pipes.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7,	03/11/04 09:00	9999	8054	100%	90			5,233	28.7	Adjusted vacuum, labeled all wells with dog tags, and checked socks.

TABLE 1
Summary of SVE System Hydrocarbon Mass Removal
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7,	03/18/04 08:00	10166	8221	100%	90			5,233	28.7	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7,	03/27/04 00:00	10377	8432	100%	90			5,233	28.7	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/31/04 00:00	10478	8533	100%	90			5,233	28.7	Used new microfid to measure concentrations. Pulled knock out drums out of compound for pickup. Put new socks in MW-1 & MW-9.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7,	04/07/04 00:00	10648	8703	100%	90	290	< 1.6	5,578	29.4	Used new microfid to read sample concentrations.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	04/16/04 00:00	10862	8917	99%	90			5,578	29.4	Optimized system.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	04/20/04 10:00	10956	9011	89%	90			5,578	29.4	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	04/28/04 09:00	11146	9201	99%	90			5,578	29.4	Checked socks - will replace next week.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	05/04/04 10:30	11293	9348	101%	90	220	< 1.6	5,774	30.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	05/14/04 10:00	11348	9403	23%	90			5,774	30.0	Turn unit on - system off for groundwater sampling earlier in the week.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	05/18/04 09:30	11442	9497	98%	90			5,774	30.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	05/24/04 07:30	11584	9639	100%	90			5,774	30.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	06/05/04 01:00	11867	9922	101%	90			5,774	30.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	06/08/04 07:30	11944	9999	98%	90	96	< 1.6	5,860	30.5	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	06/15/04 08:30	11999	10054	33%	93			5,860	30.5	System down upon arrival - low flow. Restarted.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	06/22/04 07:30	12165	10220	99%	90			5,860	30.5	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	07/01/04 08:30	12383	10438	100%	93	130	< 1.6	5,941	30.9	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	07/06/04 08:00	12507	10562	104%	90			5,941	30.9	

TABLE 1
Summary of SVE System Hydrocarbon Mass Removal
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	07/13/04 08:15	12667	10722	95%	90			5,941	30.9	Unit down. Restarted and took parameters. Changed wicks in MW-1 and MW-9.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	07/20/04 08:15	12669	10724	1%	90			5,941	30.9	System down upon arrival. Restarted.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	07/26/04 09:15	12675	10730	4%	92			5,941	30.9	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/05/04 09:30	12916	10971	100%	95	85	< 1.6	6,007	31.4	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/12/04 09:00	12919	10974	2%	95			6,007	31.4	System down upon arrival. Restarted.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/18/04 09:00	13061	11116	99%	92			6,007	31.4	System down upon arrival. Restarted.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/30/04 09:00	13348	11403	100%	92			6,007	31.4	System down upon arrival. Restarted.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	09/07/04 10:00	13389	11444	21%	93	190	<1.6	6,135	31.4	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	09/14/04 10:00	13390	11445	1%	90			6,135	31.4	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	09/24/04 10:00	13398	11453	3%				6,135	31.4	Unit down upon arrival. Circuit breaker in panel had been tripping on/off for the last few weeks. Shut off power - lock out/tag out. Removed part in question and will replace.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/12/04 11:30	13400	11455	0%	90			6,135	31.4	Installed new circuit breaker. Restarted unit. Unit has not run since 9/24/04.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/19/04 12:30	13729	11784	100%	90	19	<2.4	6,144	31.4	
VW-1S, VW-1D, VW-2S, MW-1, MW-7	10/26/04 12:30	13896	11951	99%	95			6,144	31.4	Optimized system.

TABLE 1
Summary of SVE System Hydrocarbon Mass Removal
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/01/04 10:00	14014	12069	83%	95	110	<1.6	6,189	31.4	Unit was off upon arrival. System restarted okay.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/11/04 09:00	14094	12149	33%	95			6,189	31.4	Turned system back on after GWS event.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/18/04 13:30	14249	12304	90%	90			6,189	31.4	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/23/04 10:00	14383	12438	100%	90			6,189	31.4	Replaced wicks in both wells.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/30/04 08:30	14522	12577	83%	90			6,189	31.4	Hi water: shut off system. Drained water into 55 gallon drums. Restarted system.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/07/04 08:30	14634	12689	67%	90			6,189	31.4	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/14/04 11:00	14799	12854	97%	90	15	<1.6	6,205	31.4	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/21/04 09:15	14970	13025	100%	90			6,205	31.4	Shut unit off for the holidays.

TOTAL LBS. OF HYDROCARBONS REMOVED DURING FOURTH QUARTER	71
TOTAL LBS. OF HYDROCARBONS REMOVED SINCE INITIAL START UP	6,205
TOTAL LBS. OF BENZENE REMOVED DURING FOURTH QUARTER	0.0
TOTAL LBS. OF BENZENE REMOVED SINCE INITIAL START UP	31
TOTAL HOURS ON-LINE DURING FOURTH QUARTER	1572
TOTAL HOURS ON-LINE SINCE INITIAL START UP	13025

NOTES: Analytical results below minimum detection limit (MDL) are used as 1/2 MDL in calculations

italics = Data interpolated or estimated from adjacent data points

< = Values are below MDL for the laboratory instrument

~ = Approximately equal to

cfm = cubic feet per minute

ppmv = Vapor concentration in parts per million by volume

VFH = Total volatile fuel hydrocarbons as gasoline measured by laboratory analysis

TABLE 2
Summary of SVE System Operation and Maintenance
Former Chevron Station No. 9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Cat. Inlet Temp (F)	Cat. Exit Temp (F)	Source VFH (ppmv) (PID)	Source VFH (ppmv) (Lab)	Process VFH (ppmv) (PID)	Process VFH (ppmv) (Lab)	Effluent VFH (ppmv) (PID)	Effluent VFH (ppmv) (Lab)	Destruction Efficiency (%)	Comments
VW-1S, VW-2S, VW-3S	10/02/02 16:15	~ 1945	0	-	100	625	769			1,020	630	134	42	-	Sample pump could not pull against vacuum @ source.
VW-1S, VW-2S, VW-3S	10/23/02 13:30	1980	35	7%	98	675	783	20,047	3,400	553	540	94	28.0	95%	System down due to heating element breaker.
VW-1S, VW-2S, VW-3S	10/30/02 12:30	2144	199	98%	97	675	798	6,361		470.7	840	19			
VW-1S, VW-2S, VW-3S	11/05/02 12:00	2220	275	53%	99						1,600				
VW-1S, VW-2S, VW-3S	11/14/02 09:00	2314	369	44%	99	799	861	3,917 R		425 R	660 R	31 R			Heating element breaker repaired
VW-1S, VW-2S, VW-3S	11/18/02 09:30	2411	466	99%	100	825	911	2,620		510	750	139			
VW-1S, VW-2S, VW-3S	11/26/02 06:00	2579	634	89%	98	825	883	2,087 R		526 R	1,000 R	9 R			System down, high water alarm. Sampling error
VW-1S, VW-2S, VW-3S	12/02/02 13:00	2656	711	51%	100	825	897	2,324		612	780	15.4			Power outage due to storm.
VW-1S, VW-2S, VW-3S	12/11/02 14:00	2746	801	41%	87	825	839	11,028 R	19,000 R	194 R	1,400 R	337 R	1,300 R	NA	System down, high water alarm. Sampling error.
VW-1S, VW-2S, VW-3S, MW-1	12/17/02 08:00	2883	938	99%	87	825	874	11,053		260	2,000	0.0			Opened one deep well.
VW-1S, VW-2S, VW-3S, MW-1	12/19/02 09:30	NM	NM	NM	NM	NM	NM	7,621	6,400	1,105	880	0.0	< 2.4	100%	Resampled 12/11/02 data to confirm sampling error.
VW-1S, VW-2S, VW-3S, MW-1	12/30/02 16:00	3202	1257	100%	77	824	1,006	6,252	3,500	1,340	1,300	0.0	< 2.4	100%	
VW-1S, VW-2S, VW-3S, MW-1	01/07/03 16:00	3295	1350	48%	78	825	990	5,172		1,233	2,100	0.0			System down, high temp. alarm.
VW-1S, VW-2S, VW-3S, MW-1	01/16/03 10:00	3503	1558	99%	78	825	840	3,752		146	570	0.0			
VW-1S, VW-2S, VW-3S, MW-1	01/23/03 10:00	3560	1615	34%	85	800	970	4,278		1,358	1,200	0.0			Unit was down due to high water and high temp.
VW-1S, VW-2S, VW-3S, MW-1	01/30/03 16:00	3729	1784	97%	80	800	913	2,869		1,503	550	23			
VW-1S, VW-2S, VW-3S, MW-1	02/07/03 16:00	3890	1945	84%	84	800	910	2,314		1,151		0.4			Unit was down due to high water.
VW-1S, VW-2S, VW-3S, MW-1	02/13/03 10:00	4034	2089	104%	81	800	887	728		1,246		40.6			Lab lost the vapor samples
VW-1S, VW-2S, VW-3S, MW-1	02/20/03 14:00	4200	2255	97%	82	800	910	1,588	1,600	759	620	26	< 2.4	100%	
VW-1S, VW-2S, VW-3S, MW-1	02/27/03 09:00	4364	2419	101%	83	800	869	1,231		750		0.0			No samples collected.
VW-1S, VW-2S, VW-3S, MW-1	03/06/03 17:00	4540	2595	100%	83	800	867	966		563		0.0			
VW-1S, VW-2S, VW-3S, MW-1	03/14/03 15:00	4654	2709	60%	87	825	900	752		481		1.3			Heater Circuit blown on arrival. No samples collected.
VW-1S, VW-2S, VW-3S, MW-1	03/19/03 16:00	4681	2736	22%	80	799	857	1,573		1,040	620	0.0			Knock-out pot installed 3/18/03.
VW-1S, VW-2S, VW-3S, MW-1	03/27/03 09:30	4865	2920	99%	79	799	843	864		331	330	0.0			Replaced burnt cables 3/25/03.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/02/03 13:30	5014	3069	101%	80	800	840	1,195	930	460	340	0.2	< 2.4	100%	Opened VW-1D and VW-3D, closed VW-2S
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/09/03 09:00	5176	3231	99%	90	799	812	21		17	450	0.2			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/18/03 09:00	5393	3448	100%	85	800	846	984		831	420	8.7			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/22/03 09:00	5488	3543	99%	92	800	855	723		493	360	2.3			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/29/03 15:00	5630	3685	82%	96	763	793	697		489	430	0.5			System down for gw sampling
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	05/15/03 08:30	5634	3689	1%	96	763	801	1,243		608	470	0.2			System down since 4/29/03
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	05/21/03 16:30	5784	3839	99%	90	800	850	895		396	640	0.0			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	05/28/03 12:30	5948	4003	100%	90	800	843	1,650	220	1,300	190	4.6	< 2.4	99%	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/04/03 13:30	6117	4172	100%	91	800	837	1,150	170	1,007	170	4.4	< 2.4	99%	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/11/03 09:00	6282	4337	100%	90	800	846	1,531	360	1,300	410	18.6	6.5	99%	

TABLE 2
Summary of SVE System Operation and Maintenance
Former Chevron Station No. 9-1834
4175 Voltaire Street, San Diego, CA

Source Wells	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Cat. Inlet Temp (F)	Cat. Exit Temp (F)	Source VFH (ppmv) (PID)	Source VFH (ppmv) (Lab)	Process VFH (ppmv) (PID)	Process VFH (ppmv) (Lab)	Effluent VFH (ppmv) (PID)	Effluent VFH (ppmv) (Lab)	Destruction Efficiency (%)	Comments
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/19/03 10:00	6475	4530	100%	90	800	837	1,605	160	1,240	230	23.4	9.1	98%	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/26/03 09:40	6643	4698	100%	95	800	807	1,480		1,203	200	22.2			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/03/03 09:30	6693	4748	30%	95	800	804	1,630		1,347	370	27.6			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/09/03 00:00	6840	4895	100%	97	800	840	1,391		1,179	480	21.3			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/16/03 09:15	7005	5060	93%	95	800	807	1,371		1,177	270	19.6			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/23/03 08:30	7172	5227	100%	95	800	840	1,243		1,096	290	20.4			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/30/03 11:00	7248	5303	45%	97	710	677	1,236	330	991	160	16.7			Unit down upon arrival. Control panel sited power out restarted took samples.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/07/03 00:00	7249	5304	1%	95	800	812	1,119		1,011	240	13.9			Unit down upon arrival.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/14/03 09:00	7415	5470	94%	95	800	824	2,500	270	400	140	18.0			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/21/03 18:40	7416	5471	1%	95	800	827	2,200		429	43	18.2			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/28/03 00:00	7467	5522	34%	95	800	826	2,271		411	130	19.1			Unit down upon arrival due to low flow.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/02/03 12:15	7467	5522	0%	98	800	822	2,314	790	438	130	20.3	< 2.4	100%	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/10/03 12:15	7565	5620	51%	97	800	821	2,831		763	230	21.2			Unit down upon arrival due to low temperature.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/17/03 12:30	7609	5664	26%	95	800	823	2,219		621	120	23.8			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/22/03 00:00	7619	5674	9%	95	800	834	1,600		597	150	11.7			Unit down upon arrival; started and adjusted mechanics.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/02/03 09:30	7853	5908	94%	90	800	803	4,778	240	2,107	82	11.0	< 2.4	100%	Optimized system. Cannot check flow in MW-7 moisture in pipe (messes w/ anemometer).
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/08/03 00:00	7997	6052	100%	90	800	805	4,813		2,006	150	17.3			
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/14/03 11:00	8143	6198	94%	92	802	807	4,536		1,998	160	15.6			
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/23/03 09:15	8216	6271	34%	92	800	805	5,246		1,973	83	114.0			
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/30/03 00:00	8291	6346	47%	94	800	804	5,311		1,937	66	124.0			Unit down upon arrival (low flow), adjusted manual dilution.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/07/03 09:00	8293	6348	1%	90	802	801	5,200	530	1,890	190	122.0	4.5	98%	Unit down upon arrival (low temp). Raised vacuum (18") and flowrate (95 cfm).
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/12/03 09:00	8413	6468	100%	93	800	805	4,895		2,183	50	121.0			
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/20/03 09:30	8464	6519	26%	93	800	804	5,289		1,838	71	89.0			Unit down upon arrival (power outage). Turned unit off at departure for groundwater sampling event next week.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/04/03 06:15	8480	6535	5%	97	675	806	9,999	340	1,600	120	150.0	< 2.4	100%	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/04/03 15:30										560				Dilution air adjusted and process sample taken.

TABLE 2
Summary of SVE System Operation and Maintenance
Former Chevron Station No. 9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Cat. Inlet Temp (F)	Cat. Exit Temp (F)	Source VFH (ppmv) (PID)	Source VFH (ppmv) (Lab)	Process VFH (ppmv) (PID)	Process VFH (ppmv) (Lab)	Effluent VFH (ppmv) (PID)	Effluent VFH (ppmv) (Lab)	Destruction Efficiency (%)	Comments
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/09/03 08:00	8602	6657	100%	90	800	855	> 9999		> 9999	270	143.0			
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/18/03 09:10	8819	6874	100%	90	800	848	> 9999		6,739	440	187.0			Turned off unit until 2004.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/06/04 08:15	8820	6875	0%	95	800	839	8,997	500	6,844	600	194.0	40	93%	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/13/04 10:00	8989	7044	100%	90	800	846	8,312		5,537		187.0			
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/23/04 10:00	9230	7285	100%	95	800	823	8,829		5,647		173.0			Installed ORC socks at 53' depth in MW-1 and MW-9. Drained 55 gallons from the knock-out pot.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/28/04 09:30	9348	7403	99%	95	800	832	8,377		5,148		168.0			
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	02/04/04 12:00	9494	7549	86%	93	800	827	8,100		5,000		173.0			
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	02/09/04 00:00														System down. GWS truck ran over above ground piping. SVE piping cracking and breaking.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	02/19/04 10:00	9493	7548	0%	95	800	839	>9999	250	>9999	310	200.0	< 2.4	100%	Optimized system. Closed VW-3S & VW-3D due to low concentrations.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	02/26/04 00:00	9662	7717	100%	85	800	834	>9999		>7683		183.0			
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/02/04 11:00	9784	7839	93%	90	800	831	>1000	200	>1000	330	79.0	6.2	98%	Drained 45 gallons from knock out pot. Changed absorbant socks in MW-1 and MW-9. Drained 4" lateral pipes.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/11/04 09:00	9999	8054	100%	90	800	804	>9999		>9999		234			Adjusted vaccum, labeled all wells with dog tags, and checked socks.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/18/04 08:00	10166	8221	100%	90	800	829	>9999		>9999		228			
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/27/04 00:00	10377	8432	100%	90	800	829	>9999		>9999		231			
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/31/04 00:00	10478	8533	100%	90	800	819	90		130		7.0			Used new microfd to measure concentrations. Pulled knock out drums out of compound for pickup. Put new socks in MW-1 & MW-9.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	04/07/04 00:00	10648	8703	100%	90	800	821	98	170	90	290	2.0	8.7	97%	Used new microfd to read sample concentrations.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	04/16/04 00:00	10862	8917	99%	90	800	817	175		148		25.0			Optimized system.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	04/20/04 10:00	10956	9011	89%	90	800	821	168		157		24.0			
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	04/28/04 09:00	11146	9201	99%	90	800	822	172		160		21.0			Checked socks - will replace next week.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	05/04/04 10:30	11293	9348	101%	90	800	821	91	170	91	220	27.0	9.5	96%	Drained knock out pot.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	05/14/04 10:00	11348	9403	23%	90	800	819	121		117		26.0			Turn unit on - system off for groundwater sampling earlier in the week.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	05/18/04 09:30	11442	9497	98%	90	800	807	127		123		23.0			

TABLE 2
Summary of SVE System Operation and Maintenance
Former Chevron Station No. 9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Cat. Inlet Temp (F)	Cat. Exit Temp (F)	Source VFH (ppmv) (PID)	Source VFH (ppmv) (Lab)	Process VFH (ppmv) (PID)	Process VFH (ppmv) (Lab)	Effluent VFH (ppmv) (PID)	Effluent VFH (ppmv) (Lab)	Destruction Efficiency (%)	Comments
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7	05/24/04 07:30	11584	9639	100%	90	800	815	119		117		19.0			
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7	06/05/04 01:00	11867	9922	101%	90	800	811	90		88		6.0			
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7	06/08/04 07:30	11944	9999	98%	90	800	813	95	62	89	96	3.0	< 2.4	100%	
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7	06/15/04 08:30	11999	10054	33%	93	800	811	103		94		4.0			System down upon arrival - low flow. Restarted.
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7	06/22/04 07:30	12165	10220	99%	90	804	805	68		61		6.0			
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7	07/01/04 08:30	12383	10438	100%	93	800	805	80	72	76	130	< 7.0	< 2.4	100%	
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7	07/06/04 08:00	12507	10562	104%	90	800	813	77		68		5.0			
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7, MW-9	07/13/04 08:15	12667	10722	95%	90	800	802	83		76		6.0			Unit down. Restarted and took parameters. Changed wicks in MW-1 and MW-9.
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7, MW-9	07/20/04 08:15	12669	10724	1%	90	800	811	90		80		6.0			System down upon arrival. Restarted.
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7, MW-9	07/26/04 09:15	12675	10730	4%	92	800	821	95		87		<3.0			Unit down. Restarted - when unit got to temp, circuit breaker popped shutting the unit down again. Circuit breaker was very warm to touch. Tightened wires, restarted, running okay.
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7, MW-9	08/05/04 09:30	12916	10971	100%	95	800	812	100		89	85	<2.0	2.5	97%	Shut down system after sampling - groundwater event next week. Checked wicks. Date on yellow 55-gal drum for wicks & socks 6/22/04.
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7, MW-9	08/12/04 09:00	12919	10974	2%	95	750	737	100		80		<2.0			Turned system back on after GWS event. Changed wicks out. Lowered combustion temperature from 750 to 800.
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7, MW-9	08/18/04 09:00	13061	11116	99%	92	750	757	91		87		<2.0			
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7, MW-9	08/30/04 09:00	13348	11403	100%	92	760	755	85		83		<2.0			
VW-1S, VW-1D,VW-2S, VW-2D, MW-1, MW-7, MW-9	09/07/04 10:00	13389	11444	21%	93	760	751	100	150	96	190	<2.0	< 2.4	100%	
VW-1S, VW-1D,VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	09/14/04 10:00	13390	11445	1%	90	760	743	100		93		<3.0			Unit down upon arrival. Circuit breaker in panel had been tripping on/off for the last few weeks. Shut off power - lock out/tag out. Removed part in question and will replace.
VW-1S, VW-1D,VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	09/24/04 10:00	13398	11453	3%											
VW-1S, VW-1D,VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/12/04 11:30	13400	11455	0%	90	760	740	121		99		<4			Installed new circuit breaker. Restarted unit. Unit has not run since 9/24/04.
VW-1S, VW-1D,VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/19/04 12:30	13729	11784	100%	90	753	740	100	12	97	19	<3	< 2.4	100%	
VW-1S, VW-1D, VW-3D, MW-1, MW-7	10/26/04 12:30	13896	11951	99%	95	760	756	35				4.0			Optimized system.

TABLE 2
Summary of SVE System Operation and Maintenance
Former Chevron Station No. 9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Cat. Inlet Temp (F)	Cat. Exit Temp (F)	Source VFH (ppmv) (PID)	Source VFH (ppmv) (Lab)	Process VFH (ppmv) (PID)	Process VFH (ppmv) (Lab)	Effluent VFH (ppmv) (PID)	Effluent VFH (ppmv) (Lab)	Destruction Efficiency (%)	Comments
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/01/04 10:00	14014	12069	83%	95	800	786	68	110			<5	<2.4	100%	Unit was off upon arrival. System restarted okay.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/11/04 09:00	14094	12149	33%	95	800	827	77				<5			Turned system back on after GWS event.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/18/04 13:30	14249	12304	90%	90	800	828	82				<4			
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/23/04 10:00	14383	12438	115%	90	800	831	75				<4			Replaced wicks in both wells.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/30/04 08:30	14522	12577	83%	90	800	831	84				<4			Hi water: shut off system. Drained water into 55 gallon drums. Restarted system.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/07/04 08:30	14634	12689	67%	90	800	837	91				6			
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/14/04 11:00	14799	12854	97%	90	800	829	88			15	4	<2.4	100%	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/21/04 09:15	14970	13025	103%	90	800	811	91				8			Shut unit off for the holidays.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/03/05 10:00	14971	13026	0%	90	800	825	93		93		8			Turned unit on (off for the holidays).
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/12/05 09:00	15162	13217	89%	90	800	821	98		100	44	0	5.3	88%	Took monthly samples.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	01/17/05 08:30	15302	13357	100%	95	800	813	98		103		2			Performed system optimization
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	01/28/05 10:00	15569	13624	100%	90	800	808	85				2			
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	02/02/05 09:00	15687	13742	99%	90	800	790	30		28	21	ND	8.5	60%	Took samples and checked MW-1 and MW-9 wicks, then shut off the system. Will return in two weeks to check for vapor rebound.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	02/17/05 08:00	15687	13742	0%	90						65		62	5%	Turned the system on, took samples right away, turned the system off.

NOTES:

< = Values are below minimum detection limit (MDL) for the laboratory instrument

< = Analytical results below MDL are used as 1/2 MDL for computing destruction efficiency

~ = Approximately equal to

cfm = cubic feet per minute

NM = Not Measured

NS = Sample not collected

ppmv = Vapor concentration in parts per million by volume

> = The FID flame went out after the value presented

VFH = Total volatile fuel hydrocarbons as gasoline measured by portable photo-ionization detector (PID) or laboratory analysis (Lab)

TABLE 3
SUMMARY OF BENEFICIAL WATER USES
 Former Chevron Station No. 9-1834
 4175 Voltaire St, San Diego, CA
San Diego Hydrologic Unit (907.00)*
Lower San Diego Hydrologic Area (907.10)
Mission San Diego Hydrologic Sub Area (907.11)

Beneficial Use	Groundwater
Municipal/Domestic Supply	○
Agricultural Supply	●
Industrial Process Supply	●
Industrial Service Supply	●
Groundwater Recharge	--
Freshwater Replenishment	--
Hydropower Generation	--
Water Contact Recreation (REC 1)	--
Non-contact Water Recreation (REC 2)	--
Warm Freshwater Habitat	--
Cold Freshwater Habitat	--
Wildlife Habitat	--
Biological Habitats of Special Significance	--
Rare, Threatened, or Endangered Species	--

Notes: *From California State Water Resources Board and Regional Water Quality Control
Control Plan, San Diego Basin (9), 1994".

● = Existing Beneficial Use

○ = Potential Beneficial Use

+ = Exempted From MUN

-- = No Existing or Potential beneficial Use.

* Surface Water based on the San Diego River, located approximately 4,600 feet to the north of the Site

TABLE 4
SOIL SAMPLE ANALYTICAL RESULTS
Former Chevron Station No. 9-1834
4175 Voltaire, San Diego, California

Boring ID	Sample Depth (feet)	Sample Date	TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
CB-1	10	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-1	15	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-1	20	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-1	25	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-1	30	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-1	35	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-1	40	10/18/05	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-1	45	10/18/05	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-1	50	10/18/05	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-1	55	10/18/05	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-1	60	10/18/05	1100	<25	<25	<25	<75	<5.0
CB-1	65	10/18/05	560	<0.43	<0.43	<0.43	<1.3	<0.086
CB-1	70	10/18/05	690	<0.45	<0.45	<0.45	<1.3	<0.089
CB-1	75	10/18/05	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-2	10	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-2	15	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-2	20	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-2	25	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-2	30	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-2	35	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-2	40	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-2	45	10/18/05	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-2	50	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-2	55	10/18/05	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-2	60	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-2	65	10/18/05	<0.09	NA	NA	NA	NA	NA
CB-3	10	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-3	15	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-3	20	10/18/05	<0.10	NA	NA	NA	NA	NA

TABLE 4
SOIL SAMPLE ANALYTICAL RESULTS
Former Chevron Station No. 9-1834
4175 Voltaire, San Diego, California

Boring ID	Sample Depth (feet)	Sample Date	TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE
CB-3	25	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-3	30	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-3	35	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-3	40	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-3	45	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-3	50	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-3	55	10/18/05	5.2	0.26	<0.24	<0.24	<0.71	0.085
CB-3	60	10/18/05	0.30	<0.05	<0.05	<0.05	<0.15	<0.01
CB-3	65	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-3	70	10/18/05	<0.10	NA	NA	NA	NA	NA
CB-4	10	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-4	15	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-4	20	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-4	25	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-4	30	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-4	35	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-4	40	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-4	45	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-4	50	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-4	55	10/19/05	770	<2.5	<2.5	8.2	22	<0.5
CB-4	60	10/19/05	0.40	<0.05	<0.05	<0.05	<0.15	<0.01
CB-4	65	10/19/05	11	<0.05	<0.05	<0.05	<0.15	0.01
CB-4	70	10/19/05	44	<0.22	<0.22	<0.22	<0.65	<0.043
CB-4	75	10/19/05	0.92	NA	NA	NA	NA	NA
CB-4	80	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-5	10	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-5	15	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-5	20	10/19/05	1.2	NA	NA	NA	NA	NA
CB-5	25	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-5	30	10/19/05	<0.10	NA	NA	NA	NA	NA

TABLE 4
SOIL SAMPLE ANALYTICAL RESULTS
Former Chevron Station No. 9-1834
4175 Voltaire, San Diego, California

Boring ID	Sample Depth (feet)	Sample Date	TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE
CB-5	35	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-5	40	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-5	45	10/19/05	0.16	NA	NA	NA	NA	NA
CB-5	50	10/19/05	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-5	55	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-5	60	10/19/05	<0.10	NA	NA	NA	NA	NA
CB-5	65	10/19/05	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-5	70	10/19/05	<0.10	NA	NA	NA	NA	NA

<p>Notes:</p> <p>All samples reported in milligrams per kilogram (mg/kg)</p> <p>TPHg, BTEX, and MTBE analyzed by EPA Method 8260B.</p> <p>TPHg = Total petroleum hydrocarbons as gasoline</p> <p>MTBE = Methyl tert-butyl ether</p> <p>NA = Not Analyzed</p> <p>< = Below method reporting limit shown</p> <p>Well borings were advanced with a CME-75 hollow-stem auger drill rig. Samples were collected with a split-spoon sampler.</p>

TABLE 5
SUMMARY OF HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS

Former Chevron Station No. 9-1834
4175 Voltaire Street, San Diego, CA

Sample Location	Sampling Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
<i>Soil Samples Collected by Alton Geoscience From UST Excavation</i>								
T1S-16	10/31/1996	16	<1.0	NA	NA	NA	NA	NA
T2S-16	10/31/1996	16	<1.0	NA	NA	NA	NA	NA
T3S-15	10/31/1996	15	4.5	NA	NA	NA	NA	NA
T4S-15	10/31/1996	15	5.7	NA	NA	NA	NA	NA
T1N-16	10/31/1996	16	1,700	<0.75	16	21	150	NA
T2N-15	10/31/1996	15	5,200	6.3	160	87	700	NA
T3N-15	10/31/1996	15	15,000	22	610	250	1,800	NA
T4N-15	10/31/1996	15	2,100	<0.60	2.8	26	200	NA
T5A-10	10/31/1996	10	<1.0	NA	NA	NA	NA	NA
T5B-10	10/31/1996	10	NA	NA	NA	NA	NA	NA
<i>Soil Samples Collected by Alton Geoscience From Dispenser Piping</i>								
P1-2	10/31/1996	2	<1.0	NA	NA	NA	NA	NA
P2-2	10/31/1996	2	<1.0	NA	NA	NA	NA	NA
P3-2	10/31/1996	2	<1.0	NA	NA	NA	NA	NA
P4-2	10/31/1996	2	13,000	40	710	260	1,500	NA
P5-2	10/31/1996	2	<1.0	NA	NA	NA	NA	NA
P6-2	10/31/1996	2	<1.0	NA	NA	NA	NA	NA
P7-3	10/31/1996	3	<1.0	NA	NA	NA	NA	NA
P8-4	10/31/1996	4	<1.0	NA	NA	NA	NA	NA
P9-5	10/31/1996	5	95	NA	NA	NA	NA	NA
<i>B-1/MW-1</i>								
B-1/MW-1	2/11/1997	5	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-1/MW-1	2/11/1997	10	< 1.0	0.0066	< 0.0050	0.012	0.043	< 1.0
B-1/MW-1	2/11/1997	15	9,800	59	470	130	1,000	< 750
B-1/MW-1	2/11/1997	20	3,100	20	150	49	350	< 750
B-1/MW-1	2/11/1997	25	18,000	110	820	220	1,400	< 750
B-1/MW-1	2/11/1997	30	28,000	180	1,400	410	2,400	< 750
B-1/MW-1	2/11/1997	30	NA	31*	870*	250*	1300*	ND*
B-1/MW-1	2/11/1997	35	2,200	18	120	33	220	< 750
B-1/MW-1	2/11/1997	40	7,400	30	360	110	690	< 1,500
B-1/MW-1	2/11/1997	45	1,600	8.5	68	22	160	< 750
B-1/MW-1	2/11/1997	50	8,700	81	460	140	850	< 750
B-1/MW-1	2/12/1997	55	9,100	86	510	140	1,000	< 750
B-1/MW-1	2/12/1997	60	3,400	12	19	< 3.8	33	< 750
B-1/MW-1	2/12/1997	60	NA	ND*	93*	24*	130*	ND*
B-1/MW-1	2/12/1997	65	70	0.74	2.9	0.79	4.7	< 3.0
<i>B-2</i>								
B-2	2/12/1997	5	< 1.0	< 0.0050	0.0050	< 0.0050	< 0.015	< 1.0
B-2	2/12/1997	10	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-2	2/12/1997	15	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-2	2/12/1997	20	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0

TABLE 5
SUMMARY OF HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS

Former Chevron Station No. 9-1834
 4175 Voltaire Street, San Diego, CA

Sample Location	Sampling Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
B-2	2/12/1997	20	NA	ND*	ND*	ND*	ND*	ND*
B-2	2/12/1997	25	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-2	2/12/1997	30	< 1.0	0.0098	< 0.0050	< 0.0050	0.036	< 1.0
B-2	2/12/1997	35	< 1.0	0.026	0.015	0.0093	0.036	< 1.0
B-2	2/12/1997	40	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-2	2/12/1997	45	< 1.0	0.030	< 0.0050	0.0090	< 0.015	< 1.0
B-2	2/12/1997	50	1.4	0.042	0.024	0.018	0.072	< 1.0
B-2	2/12/1997	55	16,000	140	660	240	1,500	< 750
B-2	2/12/1997	55	NA	11*	280*	120*	680*	ND*
B-2	2/12/1997	60	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/12/1997	5	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/12/1997	10	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/12/1997	15	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/13/1997	20	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/13/1997	25	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/13/1997	30	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/13/1997	35	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/13/1997	40	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/13/1997	45	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/13/1997	50	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/13/1997	52	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/13/1997	55	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/13/1997	57	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-3/MW-2	2/13/1997	60	2,200	5.0	< 1.5	< 1.5	7.4	< 300
B-3/MW-2	2/13/1997	60	NA	ND*	ND*	ND*	ND*	ND*
B-3/MW-2	2/13/1997	65	180	0.55	0.85	< 0.060	1.3	< 12
B-4/MW-3	2/13/1997	5	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	10	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	15	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	20	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	25	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	30	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	35	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	40	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	45	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	50	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	52	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	55	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	57	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	60	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-4/MW-3	2/13/1997	65	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0

TABLE 5
SUMMARY OF HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS

Former Chevron Station No. 9-1834
4175 Voltaire Street, San Diego, CA

Sample Location	Sampling Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
B-5	2/13/1997	5	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-5	2/13/1997	10	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-5	2/13/1997	15	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-6	2/13/1997	5	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-6	2/13/1997	10	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-6	2/13/1997	15	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-7	2/13/1997	5	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-7	2/13/1997	10	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-7	2/13/1997	15	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-8	2/13/1997	5	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-8	2/13/1997	10	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-8	2/13/1997	15	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-9	2/13/1997	5	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-9	2/13/1997	10	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-9	2/13/1997	15	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.010
B-11/VW-2	2/14/1997	5	2.4	0.009	0.11	0.027	0.14	0.034
B-11/VW-2	2/14/1997	10	0.7	< 0.005	0.054	0.011	0.058	0.038
B-11/VW-2	2/14/1997	15	0.2	< 0.005	< 0.005	< 0.005	< 0.005	0.27
B-11/VW-2	2/14/1997	20	0.2	< 0.005	0.005	< 0.005	0.008	0.050
B-11/VW-2	2/14/1997	25	0.2	< 0.005	< 0.005	< 0.005	< 0.005	0.050
B-11/VW-2	2/14/1997	30	0.5	< 0.005	0.009	< 0.005	0.022	0.023
B-11/VW-2	2/14/1997	35	0.5	0.010	< 0.005	0.010	0.028	0.017
B-11/VW-2	2/14/1997	40	1.1	0.047	0.019	0.018	0.024	< 0.010
B-11/VW-2	2/18/1997	45	< 1.0	0.062	0.034	0.020	0.057	< 1.0
B-11/VW-2	2/18/1997	50	< 1.0	0.0058	< 0.0050	< 0.0050	< 0.015	< 1.0
B-11/VW-2	2/18/1997	52	< 1.0	0.0065	< 0.0050	< 0.0050	< 0.015	< 1.0
B-11/VW-2	2/18/1997	55	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-12/VW-3	2/18/1997	5	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-12/VW-3	2/18/1997	10	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-12/VW-3	2/18/1997	15	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-12/VW-3	2/18/1997	20	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-12/VW-3	2/18/1997	25	< 1.0	0.0086	< 0.0050	0.016	0.032	< 1.0
B-12/VW-3	2/18/1997	35	< 1.0	< 0.0050	0.0089	< 0.0050	< 0.015	< 1.0
B-12/VW-3	2/18/1997	40	< 1.0	0.032	0.11	0.0090	0.060	< 1.0
B-12/VW-3	2/18/1997	45	< 1.0	0.021	0.057	< 0.0050	0.027	< 1.0
B-12/VW-3	2/18/1997	50	ND	0.0062	0.032	0.0055	0.027	ND
B-12/VW-3	2/18/1997	52	89	0.87	6.7	1.4	9.1	1.0
B-12/VW-3	2/18/1997	55	68	0.62	2.2	ND	1.1	ND

TABLE 5
SUMMARY OF HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS

Former Chevron Station No. 9-1834
4175 Voltaire Street, San Diego, CA

Sample Location	Sampling Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
B-13	2/18/1997	5	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-13	2/18/1997	10	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-13	2/18/1997	15	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-13	2/18/1997	20	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
<hr/>								
B-14	2/18/1997	10	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-14	2/18/1997	15	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-14	2/18/1997	20	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-14	2/18/1997	25	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-14	2/18/1997	30	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-14	2/18/1997	35	< 1.0	0.019	< 0.0050	< 0.0050	0.051	< 1.0
B-14	2/18/1997	40	< 1.0	0.0088	< 0.0050	< 0.0050	< 0.015	< 1.0
B-14	2/18/1997	45	< 1.0	0.015	< 0.0050	< 0.0050	< 0.015	< 1.0
<hr/>								
B-15	2/19/1997	5	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-15	2/19/1997	15	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-15	2/19/1997	20	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-15	2/19/1997	25	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-15	2/19/1997	30	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-15	2/19/1997	35	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-15	2/19/1997	40	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-15	2/19/1997	45	< 1.0	0.025	< 0.0050	< 0.0050	< 0.015	< 1.0
B-15	2/19/1997	52	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-15	2/19/1997	60	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
<hr/>								
B-16	2/19/1997	5	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-16	2/19/1997	15	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-16	2/19/1997	20	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-16	2/19/1997	30	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-16	2/19/1997	40	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-16	2/19/1997	45	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-16	2/19/1997	52	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-16	2/19/1997	55	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
B-16	2/19/1997	60	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 1.0
<hr/>								
MW-4	5/7/1997	50	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-4	5/7/1997	52	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-4	5/7/1997	64	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
<hr/>								
MW-5	5/7/1997	48	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-5	5/7/1997	53	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-5	5/7/1997	62	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA

TABLE 5
SUMMARY OF HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS

Former Chevron Station No. 9-1834
4175 Voltaire Street, San Diego, CA

Sample Location	Sampling Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-6	5/8/1997	50	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-6	5/8/1997	52	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-6	5/8/1997	62	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-7	5/8/1997	50	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-7	5/8/1997	52	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-7	5/8/1997	62	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-8	5/9/1997	48	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-8	5/9/1997	50	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-8	5/9/1997	62	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-9	5/9/1997	48	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-9	5/9/1997	50	< 10	< 0.050	< 0.050	< 0.050	< 0.15	NA
MW-9	5/9/1997	62	< 10	< 0.050	0.12	< 0.050	< 0.15	NA
MW-10	1/13/1999	46	< 10	< 0.050	< 0.050	< 0.050	< 0.15	< 0.035
MW-10	1/13/1999	49	< 10	< 0.050	< 0.050	< 0.050	< 0.15	< 0.035
MW-10	1/13/1999	51	< 10	< 0.050	< 0.050	< 0.050	< 0.15	< 0.035
MW-11	1/14/1999	49	< 10	< 0.050	< 0.050	< 0.050	< 0.15	< 0.035
MW-11	1/14/1999	51	< 10	< 0.050	< 0.050	< 0.050	< 0.15	< 0.035
MW-11	1/14/1999	56	< 10	< 0.050	< 0.050	< 0.050	< 0.15	< 0.035
MW-12	1/14/1999	48	< 10	< 0.050	< 0.050	< 0.050	< 0.15	< 0.035
MW-12	1/14/1999	51	< 10	< 0.050	< 0.050	< 0.050	< 0.15	< 0.035
MW-12	1/14/1999	53	< 10	< 0.050	< 0.050	< 0.050	< 0.15	< 0.035
CB-1	10/18/05	10	<0.10	NA	NA	NA	NA	NA
CB-1	10/18/05	15	<0.10	NA	NA	NA	NA	NA
CB-1	10/18/05	20	<0.10	NA	NA	NA	NA	NA
CB-1	10/18/05	25	<0.10	NA	NA	NA	NA	NA
CB-1	10/18/05	30	<0.10	NA	NA	NA	NA	NA
CB-1	10/18/05	35	<0.10	NA	NA	NA	NA	NA
CB-1	10/18/05	40	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-1	10/18/05	45	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-1	10/18/05	50	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-1	10/18/05	55	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-1	10/18/05	60	1100	<25	<25	<25	<75	<5.0
CB-1	10/18/05	65	560	<0.43	<0.43	<0.43	<1.3	<0.086
CB-1	10/18/05	70	690	<0.45	<0.45	<0.45	<1.3	<0.089
CB-1	10/18/05	75	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-2	10/18/05	10	<0.10	NA	NA	NA	NA	NA

TABLE 5
SUMMARY OF HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS

Former Chevron Station No. 9-1834
4175 Voltaire Street, San Diego, CA

Sample Location	Sampling Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
CB-2	10/18/05	15	<0.10	NA	NA	NA	NA	NA
CB-2	10/18/05	20	<0.10	NA	NA	NA	NA	NA
CB-2	10/18/05	25	<0.10	NA	NA	NA	NA	NA
CB-2	10/18/05	30	<0.10	NA	NA	NA	NA	NA
CB-2	10/18/05	35	<0.10	NA	NA	NA	NA	NA
CB-2	10/18/05	40	<0.10	NA	NA	NA	NA	NA
CB-2	10/18/05	45	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-2	10/18/05	50	<0.10	NA	NA	NA	NA	NA
CB-2	10/18/05	55	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-2	10/18/05	60	<0.10	NA	NA	NA	NA	NA
CB-2	10/18/05	65	<0.09	NA	NA	NA	NA	NA
CB-3	10/18/05	10	<0.10	NA	NA	NA	NA	NA
CB-3	10/18/05	15	<0.10	NA	NA	NA	NA	NA
CB-3	10/18/05	20	<0.10	NA	NA	NA	NA	NA
CB-3	10/18/05	25	<0.10	NA	NA	NA	NA	NA
CB-3	10/18/05	30	<0.10	NA	NA	NA	NA	NA
CB-3	10/18/05	35	<0.10	NA	NA	NA	NA	NA
CB-3	10/18/05	40	<0.10	NA	NA	NA	NA	NA
CB-3	10/18/05	45	<0.10	NA	NA	NA	NA	NA
CB-3	10/18/05	50	<0.10	NA	NA	NA	NA	NA
CB-3	10/18/05	55	5.2	0.26	<0.24	<0.24	<0.71	0.085
CB-3	10/18/05	60	0.30	<0.05	<0.05	<0.05	<0.15	<0.01
CB-3	10/18/05	65	<0.10	NA	NA	NA	NA	NA
CB-3	10/18/05	70	<0.10	NA	NA	NA	NA	NA
CB-4	10/19/05	10	<0.10	NA	NA	NA	NA	NA
CB-4	10/19/05	15	<0.10	NA	NA	NA	NA	NA
CB-4	10/19/05	20	<0.10	NA	NA	NA	NA	NA
CB-4	10/19/05	25	<0.10	NA	NA	NA	NA	NA
CB-4	10/19/05	30	<0.10	NA	NA	NA	NA	NA
CB-4	10/19/05	35	<0.10	NA	NA	NA	NA	NA
CB-4	10/19/05	40	<0.10	NA	NA	NA	NA	NA
CB-4	10/19/05	45	<0.10	NA	NA	NA	NA	NA
CB-4	10/19/05	50	<0.10	NA	NA	NA	NA	NA
CB-4	10/19/05	55	770	<2.5	<2.5	8.2	22	<0.5
CB-4	10/19/05	60	0.40	<0.05	<0.05	<0.05	<0.15	<0.01
CB-4	10/19/05	65	11	<0.05	<0.05	<0.05	<0.15	0.01
CB-4	10/19/05	70	44	<0.22	<0.22	<0.22	<0.65	<0.043
CB-4	10/19/05	75	0.92	NA	NA	NA	NA	NA
CB-4	10/19/05	80	<0.10	NA	NA	NA	NA	NA
CB-5	10/19/05	10	<0.10	NA	NA	NA	NA	NA
CB-5	10/19/05	15	<0.10	NA	NA	NA	NA	NA

TABLE 5
SUMMARY OF HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS

Former Chevron Station No. 9-1834
 4175 Voltaire Street, San Diego, CA

Sample Location	Sampling Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
CB-5	10/19/05	20	1.2	NA	NA	NA	NA	NA
CB-5	10/19/05	25	<0.10	NA	NA	NA	NA	NA
CB-5	10/19/05	30	<0.10	NA	NA	NA	NA	NA
CB-5	10/19/05	35	<0.10	NA	NA	NA	NA	NA
CB-5	10/19/05	40	<0.10	NA	NA	NA	NA	NA
CB-5	10/19/05	45	0.16	NA	NA	NA	NA	NA
CB-5	10/19/05	50	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-5	10/19/05	55	<0.10	NA	NA	NA	NA	NA
CB-5	10/19/05	60	<0.10	NA	NA	NA	NA	NA
CB-5	10/19/05	65	<0.10	<0.05	<0.05	<0.05	<0.15	<0.01
CB-5	10/19/05	70	<0.10	NA	NA	NA	NA	NA

Notes:
TPHg = Total Petroleum Hydrocarbons as gasoline C6-C12. Soil samples except for CB-1 through CB-5 analyzed by DHS EPA Method 8015M. CB-1 through CB-5 analyzed by EPA Method 8260B.
BTEX = Benzene, Toluene, Ethyl-Benzene, Total Xylenes. Soil samples except CB-1 through CB-5 analyzed by EPA Method 8020M. CB-1 through CB-5 analyzed by EPA Method 8260B.
MTBE = Methyl Tertiary Butyl Ether. Soil samples except for CB-1 through CB-5 analyzed by EPA Method 8020M. CB-1 through CB-5 analyzed by EPA Method 8260B.
mg/kg = Milligrams per kilogram
ND = Not detected. Laboratory analytical report was not available to determine the detection limit.
NA = Not Analyzed
< = Below method reporting limit shown
* BTEX and MTBE analyzed by EPA Method 8260B.

Table 6
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1]			Benzene [2]	Toluene [2]	Ethylbenzene [2]	Total Xylenes [2]		MTBE [3]	MTBE [4]	DIPE [4]	ETBE [4]	TAME [4]	TBA [4]
						µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	
MW-1 99.72	3/5/97	51.86	47.86	17.73	--	5600	740	2000	210	1400	ND	--	--	--	--	--	--	--	
	5/16/97	51.83	47.89	17.76	--	14000	1900	4900	360	2600	--	--	--	--	--	--	--	--	
	9/29/97	52.02	47.70	17.57	--	100000	13000	32000	2500	17000	ND	--	--	--	--	--	--	--	
	11/12/97	52.01	47.71	17.58	--	100000	13000	20000	2400	15000	ND	--	--	--	--	--	--	--	
	1/22/98	52.03	47.69	17.56	--	100000	12000	30000	2300	14000	ND	--	--	--	--	--	--	--	
	4/8/98	51.82	47.90	17.77	--	120000	15000	32000	2300	15000	ND	--	--	--	--	--	--	--	
	8/27/98	51.96	47.76	17.63	--	130000	18000	41000	3200	19000	ND	--	--	--	--	--	--	--	
	10/13/98	51.69	48.03	17.90	--	47000	6000	13000	970	5200	ND	--	--	--	--	--	--	--	
	1/25/99	51.64	48.08	17.95	--	120000	16000	41000	3200	19000	ND	--	--	--	--	--	--	--	
	2/19/99	51.58	48.14	18.01	--	150000	14000	34000	2800	17000	1800	--	--	--	--	--	--	--	
	4/26/99	51.51	48.21	18.08	--	140000	18000	40000	3100	17000	<2000	--	--	--	--	--	--	--	
	9/24/99	51.70	48.02	17.89	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/3/99	51.50	48.22	18.09	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/31/00	52.52	47.20	17.07	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/14/00	51.54	48.18	18.05	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/15/00	51.66	48.06	17.93	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/15/00	51.67	48.06	17.93	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/01	51.39	48.33	18.20	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/14/01	51.35	48.40	18.27	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/20/01	51.33	48.42	18.29	0.04	130000	11000	36000	3900	26000	--	<1000	<2000	<2000	<2000	<2000	<25000		
	12/10/01	51.26	48.50	18.37	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	
	1/23/02	51.41	48.37	18.24	0.08	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/12/02	51.27	48.49	18.36	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/11/02	51.28	18.34	--	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/16/02	51.21	18.39	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	
	1/10/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/28/03	52.40	17.19	--	--	86000	6300	20000	2100	19000	--	<400	<800	<800	<800	<800	<10000		
	8/11/03	51.80	17.79	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/25/03	52.70	16.89	--	--	82000	11000	22000	2000	17000	--	470	<2000	<2000	<2000	<2000	<10000		
	02/05/04	52.75	16.84	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/10/04	52.66	16.93	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/11/04	52.71	16.88	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/5/04	52.71	16.88	--	Sheen	62000	3100	10000	2000	11000	--	<100	<500	<500	<500	<500	<2500		
	3/1/05	52.14	17.45	--	Sheen	41000	4900	5900	1600	7600	--	430	<500	<500	<500	<500	<2500		
	5/5/05	51.86	17.73	--	--	81000	12000	19000	2100	9600	--	1400	<1000	<1000	<1000	<1000	<5000		
	8/3/05	51.53	18.06	--	--	35000	4500	8500	880	4700	--	720	<1000	<1000	<1000	<1000	<5000		
	10/20/05	51.39	18.20	--	--	9500	1200	2400	290	1400	--	100	<120	<120	<120	<120	<620		
MW-2 98.16	3/5/97	50.75	47.41	17.27	--	14000	490	ND	ND	ND	ND	--	--	--	--	--	--	--	
	5/16/97	50.70	47.46	17.32	--	1500	330	6.6	ND	27	--	--	--	--	--	--	--	--	
	9/29/97	50.96	47.20	17.06	--	2600	620	ND	7.7	31	ND	--	--	--	--	--	--	--	
	11/12/97	50.91	47.25	17.11	--	2300	200	ND	5.7	22	ND	--	--	--	--	--	--	--	
	1/22/98	50.98	47.18	17.04	--	1000	220	ND	ND	8.2	ND	--	--	--	--	--	--	--	

Table 6
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethylbenzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-2	4/8/98	50.75	47.41	17.27	--	580	60	ND	1.0	3.8	ND	--	--	--	--	--
continued	8/27/98	50.90	47.26	17.12	--	ND	9.1	0.75	2.2	4.6	16	--	--	--	--	--
	10/13/98	50.61	47.55	17.41	--	ND	8.7	0.62	ND	ND	ND	--	--	--	--	--
	1/25/99	50.52	47.64	17.50	--	ND	2.3	0.80	0.80	1.6	ND	--	--	--	--	--
	2/19/99	50.60	47.56	17.42	--	690	10	1.9	2.5	12	<10	--	--	--	--	--
	4/26/99	50.47	47.69	17.55	--	570	9.8	<0.50	1.5	4.5	<10	--	--	--	--	--
	9/24/99	50.58	47.58	17.44	--	<500	9.4	<0.50	<0.50	3.9	<10	--	--	--	--	--
	12/3/99	50.58	47.58	17.44	--	<500	3.4	1.4	2.2	4.2	<10	--	--	--	--	--
	3/31/00	50.49	47.67	17.53	--	530	9.3	2.0	<0.50	6.9	1.9	--	--	--	--	--
	6/14/00	50.52	47.64	17.50	--	<500	7.1	<0.50	<0.50	3.6	1.2	--	--	--	--	--
	9/15/00	50.58	47.58	17.44	--	<500	7.4	1.5	<0.50	5.9	--	<1.0	<5.0	<5.0	<5.0	<50
	11/15/00	50.68	47.48	17.34	--	<500	6.6	0.50	<0.50	3.1	--	<1.0	<5.0	<5.0	<5.0	<50
	3/30/01	50.32	47.84	17.70	--	<500	1.2	0.98	<0.50	5.2	--	<1.0	<5.0	<5.0	<5.0	<50
	6/14/01	50.25	47.91	17.77	--	<500	13	<0.50	0.52	2.1	--	<1.0	<5.0	<5.0	<5.0	<50
	8/20/01	50.25	47.91	17.77	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	50.15	48.01	17.87	--	<500	4.8	<0.50	0.73	4.8	--	<1.0	<2.0	<2.0	<2.0	<25
	1/23/02	50.26	47.90	17.76	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	50.15	48.01	17.87	--	<500	3.3	<0.50	2.2	4.4	--	<1.0	<2.0	<2.0	<2.0	<25
68.02	7/11/02	50.17	17.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	50.17	17.85	--	--	<500	0.61	<0.50	0.67	3.4	--	<1.0	<2.0	<2.0	<2.0	<25
	1/10/03	50.10	17.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	50.00	18.02	--	--	<500	<0.50	<0.50	<0.50	1.6	--	<1.0	<2.0	<2.0	<2.0	<25
	8/11/03	49.80	18.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	50.30	17.72	--	--	<500	2.7	<0.50	0.79	<1.5	--	<1.0	<5.0	<5.0	<5.0	35
	02/05/04	50.41	17.61	--	--	<500	0.88	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	5/10/04	50.28	17.74	--	--	<100	0.89	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/11/04	50.38	17.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	50.35	17.67	--	--	100	1.2	<0.50	<0.50	<1.5	--	1.2	<5.0	<5.0	<5.0	<25
	3/1/05	49.76	18.26	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	49.41	18.61	--	--	<100	4.6	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/3/05	49.11	18.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/05	48.92	19.10	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
MW-3	3/5/97	50.90	47.27	17.11	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
98.17	5/16/97	50.65	47.52	17.36	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	9/29/97	50.92	47.25	17.09	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	11/12/97	51.05	47.12	16.96	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	1/22/98	50.92	47.25	17.09	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	4/8/98	50.69	47.48	17.32	--	ND	1.0	ND	ND	ND	ND	--	--	--	--	--
	8/27/98	50.83	47.34	17.18	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	10/13/98	50.48	47.69	17.53	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	1/25/99	50.55	47.62	17.46	--	ND	ND	1.5	ND	ND	ND	--	--	--	--	--
	2/19/99	50.46	47.71	17.55	--	<500	<0.50	2.1	<0.50	<1.5	<10	--	--	--	--	--

Table 6
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater	Corrected	LPH	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethylbenzene [2] µg/l (ppb)	Xylenes [2] µg/l (ppb)	Total	MTBE [3] µg/L (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
			Elevation** (feet)*	Groundwater Elevation *** (feet)	Thickness (feet)						µg/l (ppb)						
MW-3	4/26/99	50.39	47.78	17.62	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--	
continued	9/24/99	50.58	47.59	17.43	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--	
	12/3/99	50.47	47.70	17.54	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--	
	3/31/00	50.44	47.73	17.57	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--	
	6/14/00	50.47	47.70	17.54	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--	
	9/15/00	50.55	47.62	17.46	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--	
	11/15/00	50.52	47.65	17.49	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--	
	3/30/01	50.32	47.85	17.69	--	<500	<0.50	<0.50	<0.50	<1.5	1.4	--	--	--	--	--	
	6/14/01	50.23	47.94	17.78	--	<500	<0.50	<0.50	<0.50	<1.5	--	3.5	<5.0	<5.0	<5.0	<50	
	8/20/01	50.21	47.96	17.80	--	--	--	--	--	--	--	--	--	--	--	--	
	12/10/01	50.22	47.95	17.79	--	<500	<0.50	<0.50	<0.50	<1.5	--	5.9	<2.0	<2.0	<2.0	<25	
	1/23/02	50.16	48.01	17.85	--	--	--	--	--	--	--	--	--	--	--	--	
	4/12/02	50.11	48.06	17.90	--	<500	<0.50	<0.50	<0.50	<1.5	--	9.6	<2.0	<2.0	<2.0	<25	
68.01	7/11/02	50.13	17.88	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/16/02	50.11	17.90	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	19	<2.0	<2.0	<2.0	<25	
	1/10/03	50.04	17.97	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/28/03	50.00	18.01	--	--	<500	<0.50	0.51	<0.50	<1.5	--	26	<2.0	<2.0	<2.0	<25	
	8/11/03	50.15	17.86	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/25/03	50.17	17.84	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	16	<5.0	<5.0	<5.0	<25	
	02/05/04	50.34	17.67	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	8.2	<5.0	<5.0	<5.0	<25	
	5/10/04	50.25	17.76	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	29	<5.0	<5.0	<5.0	<25	
	8/11/04	50.33	17.68	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/5/04	50.34	17.67	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	16	<5.0	<5.0	<5.0	<25	
	3/1/05	49.68	18.33	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/5/05	49.39	18.62	--	--	110	<0.50	<0.50	1.6	<1.5	--	5.1	<5.0	<5.0	<5.0	<25	
	8/3/05	49.88	18.13	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/20/05	48.93	19.08	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	6.2	<5.0	<5.0	<5.0	<25	
MW-4	5/16/97	52.19	47.81	17.66	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
100.00	9/29/97	52.37	47.63	17.48	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/12/97	52.36	47.64	17.49	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	1/22/98	52.42	47.58	17.43	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	4/8/98	52.18	47.82	17.67	--	ND	0.74	ND	ND	ND	ND	--	--	--	--	--	
	8/27/98	52.32	47.68	17.53	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	10/13/98	51.98	48.02	17.87	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	1/25/99	51.97	48.03	17.88	--	ND	ND	0.56	ND	ND	ND	--	--	--	--	--	
	2/19/99	51.94	48.06	17.91	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--	
	4/26/99	51.89	48.11	17.96	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--	
	9/24/99	52.01	47.99	17.84	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--	
	12/3/99	51.93	48.07	17.92	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--	
	3/31/00	51.92	48.08	17.93	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--	
	6/14/00	51.93	48.07	17.92	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--	
	9/15/00	52.01	47.99	17.84	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--	

Table 6
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater	Corrected	LPH	TPH-g [1]	Benzene [2]	Toluene [2]	Ethylbenzene [2]	Xylenes [2]	Total	MTBE [4]	DIPE [4]	ETBE [4]	TAME [4]	TBA [4]
			Elevation** (feet)*	Groundwater Elevation ***	Thickness (feet)						µg/L (ppb)					
MW-4 continued	11/15/00	52.04	47.96	17.81	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	3/30/01	51.79	48.21	18.06	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	6/14/01	51.73	48.27	18.12	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	8/20/01	51.71	48.29	18.14	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	51.61	48.39	18.24	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/23/02	51.71	48.29	18.14	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	51.63	48.37	18.22	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	7/11/02	51.66	18.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	51.59	18.26	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/10/03	51.58	18.27	--	--	--	--	--	--	--	--	--	--	--	--	--
69.85	4/28/03	51.55	18.30	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	8/11/03	51.62	18.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	51.61	18.24	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	02/05/04	51.80	18.05	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	5/10/04	51.76	18.09	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/11/04	51.84	18.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	51.85	18.00	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	3/1/05	51.23	18.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	50.93	18.92	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/3/05	50.61	19.24	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/05	50.42	19.43	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
MW-5 97.54	5/16/97	50.25	47.29	17.12	--	ND	0.94	ND	ND	1.5	--	--	--	--	--	--
	9/29/97	50.44	47.10	16.93	--	700	17	8.7	7.2	23	ND	--	--	--	--	--
	11/12/97	50.43	47.11	16.94	--	610	7.0	1.1	4.0	9.6	ND	--	--	--	--	--
	1/22/98	50.47	47.07	16.90	--	540	6.1	2.2	4.4	4.6	ND	--	--	--	--	--
	4/8/98	50.25	47.29	17.12	--	ND	6.5	1.0	0.77	2.9	ND	--	--	--	--	--
	8/27/98	50.39	47.15	16.98	--	1100	31	6.6	9.8	20	34	--	--	--	--	--
	10/13/98	50.08	47.46	17.29	--	810	11	1.9	0.83	5.3	ND	--	--	--	--	--
	1/25/99	50.05	47.49	17.32	--	570	4.5	0.71	2.1	9.0	ND	--	--	--	--	--
	2/19/99	50.08	47.46	17.29	--	<500	5.1	2.1	<0.50	5.6	<10	--	--	--	--	--
	4/26/99	50.01	47.53	17.36	--	<500	11	1.4	5.0	9.8	25	--	--	--	--	--
	9/24/99	50.14	47.40	17.23	--	590	11	2.4	<0.50	8.9	<10	--	--	--	--	--
	12/3/99	50.09	47.45	17.28	--	<500	6.8	2.0	1.9	7.6	<10	--	--	--	--	--
	3/31/00	50.07	47.47	17.30	--	<500	4.6	<0.50	1.4	4.6	1.7	--	--	--	--	--
	6/14/00	50.08	47.46	17.29	--	<500	6.4	0.84	3.0	10	1.7	--	--	--	--	--
	9/15/00	50.16	47.38	17.21	--	<500	6.6	1.7	2.8	13	--	<1.0	14	<5.0	<5.0	67
	11/15/00	50.26	47.28	17.11	--	510	13	3.0	1.9	7.6	--	<1.0	9.4	<5.0	<5.0	63
	3/30/01	49.93	47.61	17.44	--	<500	9.6	2.6	2.2	11	--	<1.0	13	<5.0	<5.0	90
	6/14/01	49.85	47.69	17.52	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	5.9	<5.0	<5.0	<50
	8/20/01	49.83	47.71	17.54	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	49.74	47.80	17.63	--	<500	2.5	0.58	0.51	2.1	--	<1.0	5.3	<2.0	<2.0	38

Table 6
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Xylenes [2] µg/l (ppb)	Total MTBE [3] µg/L (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-5	1/23/02	49.85	47.69	17.52	--	--	--	--	--	--	--	--	--	--	--	--
continued	4/12/02	49.74	47.80	17.63	--	<500	1.5	<0.50	<0.50	<1.5	--	2.6	3.5	<2.0	<2.0	32
67.37	7/11/02	49.77	17.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	49.74	17.63	--	--	<500	5.3	1.2	1.4	3.9	--	11	4.7	<2.0	<2.0	33
	1/10/03	49.71	17.66	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	49.70	17.67	--	--	<500	0.75	<0.50	<0.50	<1.5	--	25	6.1	<2.0	<2.0	29
	8/11/03	50.10	17.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	49.72	17.65	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	18	<5.0	<5.0	<5.0	30
	02/05/04	49.95	17.42	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	17	<5.0	<5.0	<5.0	30
	5/10/04	49.88	17.49	--	--	220	<0.50	<0.50	<0.50	<1.5	--	18	5.5	<5.0	<5.0	37
	8/11/04	49.94	17.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	49.92	17.45	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	7.5	<5.0	<5.0	<5.0	<25
	3/1/05	49.17	18.20	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	48.9	18.47	--	--	400	4.9	0.55	4.2	2.6	--	2.0	20	<5.0	<5.0	89
	8/3/05	48.61	18.76	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/05	48.45	18.92	--	--	140	<0.50	<0.50	<0.50	<1.5	--	3.9	7.7	<5.0	<5.0	41
MW-6	5/16/97	51.18	47.55	17.38	--	ND	0.70	ND	ND	ND	--	--	--	--	--	--
98.73	9/29/97	51.48	47.25	17.08	--	ND	1.6	ND	ND	ND	ND	--	--	--	--	--
	11/12/97	51.47	47.26	17.09	--	ND	5.5	ND	2.1	4.8	ND	--	--	--	--	--
	1/22/98	51.49	47.24	17.07	--	1200	240	ND	ND	8.0	ND	--	--	--	--	--
	4/8/98	51.30	47.43	17.26	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	8/27/98	51.47	47.26	17.09	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	10/13/98	51.14	47.59	17.42	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	1/25/99	51.04	47.69	17.52	--	ND	ND	1.6	ND	ND	ND	--	--	--	--	--
	2/19/99	51.04	47.69	17.52	--	<500	0.56	10	<0.50	<1.5	<10	--	--	--	--	--
	4/26/99	50.98	47.75	17.58	--	<500	0.52	1.0	<0.50	<1.5	<10	--	--	--	--	--
	9/24/99	51.14	47.59	17.42	--	<500	0.83	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	12/3/99	51.11	47.62	17.45	--	<500	0.66	0.69	<0.50	<1.5	<10	--	--	--	--	--
	3/31/00	51.04	47.69	17.52	--	<500	0.65	<0.50	<0.50	<1.5	2.4	--	--	--	--	--
	6/14/00	51.05	47.68	17.51	--	<500	0.86	0.89	<0.50	<1.5	2.5	--	--	--	--	--
	9/15/00	51.09	47.64	17.47	--	<500	1.2	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	11/15/00	51.18	47.55	17.38	--	<500	0.70	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	3/30/01	50.88	47.85	17.68	--	<500	1.4	<0.50	3.0	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	6/14/01	50.85	47.88	17.71	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	8/20/01	50.77	47.96	17.79	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	50.70	48.03	17.86	--	<500	0.84	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/23/02	50.79	47.94	17.77	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	50.70	48.03	17.86	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
68.56	7/11/02	50.70	17.86	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	50.71	17.85	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/10/03	50.63	17.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	50.60	17.96	--	--	<500	<0.50	1.10	<0.50	1.5	--	<1.0	<2.0	<2.0	<2.0	<25

Table 6
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater	Corrected Groundwater	LPH	TPH-g [1]	Benzene [2]	Toluene [2]	Ethylbenzene [2]	Xylenes [2]	Total	MTBE [3]	MTBE [4]	DIPE [4]	ETBE [4]	TAME [4]	TBA [4]
			Elevation** (feet)*	Elevation ***	Thickness (feet)						µg/l (ppb)						
MW-6 continued	8/11/03	50.60	17.96	--	--	--	--	--	0.77	<1.5	--	--	<1.0	<5.0	<5.0	<5.0	<25
	11/25/03	50.81	17.75	--	--	<500	<0.50	<0.50	4.4	<1.5	--	--	<1.0	<5.0	<5.0	<5.0	<25
	02/05/04	50.96	17.60	--	--	<500	1.1	<0.50	3.8	<1.5	--	--	<1.0	<5.0	<5.0	<5.0	<25
	5/10/04	50.84	17.72	--	--	<100	2.2	<0.50	--	--	--	--	1.4	<5.0	<5.0	<5.0	<25
	8/11/04	50.91	17.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	50.82	17.74	--	--	<100	<0.50	0.54	<0.50	<1.5	--	--	<1.0	<5.0	<5.0	<5.0	<25
	3/1/05	50.28	18.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	50.02	18.54	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	--	1.4	<5.0	<5.0	<5.0	<25
	8/3/05	49.63	18.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/05	49.47	19.09	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25	
MW-7 98.68	5/16/97	50.94	47.74	17.58	--	2100	1000	ND	77	190	--	--	--	--	--	--	--
	9/29/97	51.11	47.57	17.41	--	3700	1800	16	120	140	ND	--	--	--	--	--	--
	11/12/97	51.19	47.49	17.33	--	5500	1900	ND	160	170	11	--	--	--	--	--	--
	1/22/98	51.23	47.45	17.29	--	6400	2900	41	170	110	ND	--	--	--	--	--	--
	4/8/98	51.01	47.67	17.51	--	7400	2400	24	140	82	ND	--	--	--	--	--	--
	8/27/98	51.13	47.55	17.39	--	4100	1200	17	110	46	ND	--	--	--	--	--	--
	10/13/98	50.85	47.83	17.67	--	1800	750	ND	30	33	ND	--	--	--	--	--	--
	1/25/99	50.83	47.85	17.69	--	2200	680	21	72	57	ND	--	--	--	--	--	--
	2/19/99	50.74	47.94	17.78	--	3100	1100	18	58	25	<400	--	--	--	--	--	--
	4/26/99	50.69	47.99	17.83	--	5700	1500	26	68	55	<400	--	--	--	--	--	--
	9/24/99	50.88	47.80	17.64	--	2900	1100	<12	51	32	<400	--	--	--	--	--	--
	12/3/99	50.76	47.92	17.76	--	2400	760	16	46	22	13	--	--	--	--	--	--
	3/31/00	50.72	47.96	17.80	--	2500	890	<10	36	<30	53	--	--	--	--	--	--
	6/14/00	50.75	47.93	17.77	--	1700	720	<10	23	<30	33	--	--	--	--	--	--
	9/15/00	50.87	47.81	17.65	--	1500	470	11	24	41	--	<2.0	10	<10	<10	110	
	11/15/00	50.90	47.78	17.62	--	1300	470	7.5	19	23	--	<1.0	8.1	<5.0	<5.0	110	
	3/30/01	50.59	48.09	17.93	--	1300	310	<5.0	8.2	<15	--	<1.0	6.1	<5.0	<5.0	88	
	6/14/01	50.55	48.13	17.97	--	1100	360	<5.0	7.0	<15	--	<1.0	<5.0	<5.0	<5.0	65	
	8/20/01	50.48	48.20	18.04	--	570	160	<2.5	42	12	--	3.3	2.4	<2.0	<2.0	41	
	12/10/01	50.41	48.27	18.11	--	970	130	2.2	120	<6.0	--	<1.0	3.8	<2.0	<2.0	62	
	1/23/02	50.50	48.18	18.02	--	950	72	<5.0	130	<15	--	<1.0	2.7	<2.0	<2.0	52	
	4/12/02	50.39	48.29	18.13	--	900	68	<5.0	140	<15	--	<1.0	2.5	<2.0	<2.0	47	
	7/11/02	50.40	18.12	--	--	850	150	<2.5	120	9.4	--	1.6	3.5	<2.0	<2.0	52	
	10/16/02	50.42	18.10	--	--	830	180	<5.0	86	<15	--	3.0	2.9	<2.0	<2.0	52	
	1/10/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
68.52	4/28/03	51.50	17.02	--	--	<500	14	2.1	13	2.1	--	1.4	<2.0	<2.0	<2.0	<25	
	8/11/03	51.60	16.92	--	--	<500	39	1.3	26	4.4	--	1.2	<2.0	<2.0	<2.0	<25	
	11/25/03	51.62	16.90	--	--	<500	51	1.4	9.6	3.9	--	1.8	<5.0	<5.0	<5.0	65	
	02/05/04	51.76	16.76	--	--	<500	47	1.4	3.4	5.8	--	2.0	<5.0	<5.0	<5.0	86	
	5/10/04	51.68	16.84	--	--	870	350	10	27	63	--	4.7	<20	<20	<20	<100	
	8/11/04	51.75	16.77	--	--	1400	280	8.6	53	42	--	<4.0	<20	<20	<20	<100	
	11/5/04	51.63	16.89	--	--	770	160	3.9	32	19	--	6.3	<10	<10	<10	<50	
	3/1/05	51.2	17.32	--	--	290	150	1.2	17	7.5	--	3.9	<5.0	<5.0	<5.0	<25	
	5/5/05	50.88	17.64	--	--	540	170	4.9	37	29	--	2.3	<10	<10	<10	<50	
	8/3/05	50.57	17.95	--	--	<250	8.9	12	1.2	4.8	--	<2.5	<12	<12	<12	<62	
	10/20/05	50.4	18.12	--	--	320	51	0.74	<0.50	<1.5	--	7.2	<5.0	<5.0	<5.0	<25	
MW-8	5/16/97	52.38	48.24	18.12	--	ND	0.81	ND	ND	ND	--	--	--	--	--	--	
	100.62	52.79	47.83	17.71	--	510	43	ND	18	3.9	24	--	--	--	--	--	

Table 6
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater	Corrected	LPH	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethylbenzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
			Elevation** (feet)*	Groundwater Elevation *** (feet)	Thickness (feet)		µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)
MW-8 continued	11/12/97	52.78	47.84	17.72	--	ND	37	0.80	11	1.7	ND	--	--	--	--	--
	1/22/98	52.81	47.81	17.69	--	270	15	0.50	3.0	ND	10	--	--	--	--	--
	4/8/98	52.61	48.01	17.89	--	600	30	0.60	6.8	ND	33	--	--	--	--	--
	8/27/98	52.76	47.86	17.74	--	ND	17	ND	3.0	ND	54	--	--	--	--	--
	10/13/98	52.44	48.18	18.06	--	ND	9.8	ND	1.5	ND	23	--	--	--	--	--
	1/25/99	52.41	48.21	18.09	--	ND	8.7	ND	1.4	ND	46	--	--	--	--	--
	2/19/99	52.33	48.29	18.17	--	<500	16	40	4.1	20	26	--	--	--	--	--
	4/26/99	52.29	48.33	18.21	--	<500	1.4	3.4	<0.50	<1.5	33	--	--	--	--	--
	9/24/99	52.42	48.20	18.08	--	<500	3.3	<0.50	<0.50	<1.5	70	--	--	--	--	--
	12/3/99	52.39	48.23	18.11	--	<500	2.7	1.6	2.6	<1.5	31	--	--	--	--	--
	3/31/00	52.33	48.29	18.17	--	<500	2.4	<0.50	0.58	3.3	160	--	--	--	--	--
	6/14/00	52.33	48.29	18.17	--	<500	<0.50	<0.50	<0.50	<1.5	50	--	--	--	--	--
	9/15/00	52.38	48.24	18.12	--	<500	2.4	<0.50	<0.50	2.3	--	130	<5.0	<5.0	<5.0	77
	11/15/00	52.48	48.14	18.02	--	<500	1.4	0.58	<0.50	<1.5	--	200	<5.0	<5.0	<5.0	100
	3/30/01	52.19	48.43	18.31	--	<500	0.61	<0.50	<0.50	<1.5	--	160	<5.0	<5.0	<5.0	98
	6/14/01	52.16	48.46	18.34	--	<500	0.68	<0.50	<0.50	1.5	--	250	<5.0	<5.0	<5.0	51
	8/20/01	52.09	48.53	18.41	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	52.01	48.61	18.49	--	<500	<0.50	<0.50	<0.50	<1.5	--	73	<2.0	<2.0	<2.0	<25
	1/23/02	52.10	48.52	18.40	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	52.12	48.50	18.38	--	<500	<0.50	<0.50	<0.50	<1.5	--	120	<2.0	<2.0	<2.0	49
70.50	7/11/02	52.02	18.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	51.99	18.51	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	38	<2.0	<2.0	<2.0	35
	1/10/03	51.91	18.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	51.85	18.65	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	30	<2.0	<2.0	<2.0	<25
	8/11/03	52.00	18.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	52.15	18.35	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	16	<5.0	<5.0	<5.0	<25
	02/05/04	52.26	18.24	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	12	<5.0	<5.0	<5.0	<25
	5/10/04	52.18	18.32	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	13	<5.0	<5.0	<5.0	<25
	8/11/04	52.22	18.28	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	52.14	18.36	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	6.5	<5.0	<5.0	<5.0	<25
	3/1/05	51.66	18.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	51.41	19.09	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	3.1	<5.0	<5.0	<5.0	<25
	8/3/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/05	50.88	19.62	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	2.4	<5.0	<5.0	<5.0	<25
MW-9 99.55	5/16/97	51.60	47.95	17.77	--	8000	380	2600	260	1900	--	--	--	--	--	--
	9/29/97	51.80	47.75	17.57	--	72000	7300	35000	2600	17000	1400	--	--	--	--	--
	11/12/97	51.79	47.76	17.58	--	63000	4400	17000	1600	10000	ND	--	--	--	--	--
	1/22/98	51.81	47.74	17.56	--	34000	2100	8400	860	5200	ND	--	--	--	--	--
	4/8/98	51.60	47.95	17.77	--	77000	7400	25000	2200	10000	1200	--	--	--	--	--
	8/27/98	51.76	47.79	17.61	--	74000	7500	20000	2600	7900	2500	--	--	--	--	--
	10/13/98	51.45	48.10	17.92	--	30000	2200	8000	860	3400	ND	--	--	--	--	--
	1/25/99	51.39	48.16	17.98	--	80000	5700	28000	3000	13000	ND	--	--	--	--	--

Table 6
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater	Corrected	LPH	TPH-g [1]	Benzene [2]	Toluene [2]	Ethylbenzene [2]	Xylenes [2]	Total	MTBE [3]	MTBE [4]	DIPE [4]	ETBE [4]	TAME [4]	TBA [4]
			Elevation** (feet)*	Groundwater Elevation ***	Thickness (feet)						µg/l (ppb)						
MW-9	2/19/99	51.30	48.25	18.07	--	51000	3300	17000	1700	7700	<1000	--	--	--	--	--	--
continued	4/26/99	51.27	48.28	18.10	--	43000	2500	13000	1300	5000	1500	--	--	--	--	--	--
	9/24/99	51.43	48.12	17.94	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/99	51.36	48.19	18.01	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	3/31/00	51.31	48.24	18.06	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/00	51.33	48.22	18.04	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/00	51.44	48.11	17.93	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	11/15/00	51.44	48.11	17.93	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/01	51.19	48.36	18.18	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/01	51.16	48.39	18.21	0.01	--	--	--	--	--	--	--	--	--	--	--	--
	8/20/01	51.08	48.47	18.29	Sheen	75000	2900	18000	3200	22000	--	180	<200	<200	<200	<200	<2500
	12/10/01	51.00	48.55	18.37	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	1/23/02	51.11	48.44	18.26	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	51.01	48.54	18.36	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
69.37	7/11/02	51.01	18.36	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	50.98	18.39	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	1/10/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	52.01	17.36	--	--	20000	760	2100	1300	6700	--	140	<40	<40	<40	<40	<500
	8/11/03	52.10	17.27	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	52.18	17.19	--	--	47000	1400	5900	2600	13000	--	220	<200	<200	<200	<200	<1000
	02/05/04	52.46	16.91	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	5/10/04	52.27	17.10	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	8/11/04	52.35	17.02	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	52.34	17.03	--	Sheen	17000	46	<10	1300	1800	--	210	<100	<100	<100	<100	530
	3/1/05	51.78	17.59	--	--	40000	1300	6700	1500	9600	--	220	<500	<500	<500	<500	<2500
	5/5/05	51.47	17.90	--	--	76000	1400	8000	2200	13000	--	290	<500	<500	<500	<500	<2500
	8/3/05	51.20	18.17	--	--	53000	960	8600	2100	15000	--	230	<1000	<1000	<1000	<1000	<5000
	10/20/05	50.99	18.38	--	--	16000	510	2900	490	4500	--	130	<100	<100	<100	<100	<500
MW-10	1/25/99	51.44	46.78	16.63	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
98.22	4/26/99	51.41	46.81	16.66	--	<500	<0.50	<0.50	<0.50	<0.50	<1.5	14	--	--	--	--	--
	9/24/99	51.56	46.66	16.51	--	<500	<0.50	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	12/3/99	51.46	46.76	16.61	--	<500	<0.50	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	3/31/00	51.45	46.77	16.62	--	<500	<0.50	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	6/14/00	51.43	46.79	16.64	--	<500	<0.50	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	9/15/00	51.51	46.71	16.56	--	<500	<0.50	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	11/15/00	51.54	46.68	16.53	--	<500	<0.50	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	3/30/01	51.27	46.95	16.80	--	<500	<0.50	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	6/14/01	51.19	47.03	16.88	--	<500	<0.50	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	8/20/01	51.18	47.04	16.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	51.10	47.12	16.97	--	<500	<0.50	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25

Table 6
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater	Corrected Groundwater	LPH	TPH-g [1]	Benzene [2]	Toluene [2]	Ethylbenzene [2]	Xylenes [2]	Total	MTBE [4]	DIPE [4]	ETBE [4]	TAME [4]	TBA [4]
			Elevation** (feet)*	Elevation ***	Thickness (feet)						µg/L (ppb)					
MW-10	1/23/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
continued	4/12/02	51.08	47.14	16.99	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
68.07	7/11/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	51.04	17.03	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/10/03	51.02	17.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	51.06	17.01	--	--	<500	<0.50	1.2	<0.50	1.8	--	<1.0	<2.0	<2.0	<2.0	<25
	8/11/03	51.07	17.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	51.11	16.96	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	02/05/04	51.30	16.77	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	5/10/04	52.28	15.79	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/11/04	51.28	16.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	51.37	16.70	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	3/1/05	50.72	17.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	50.4	17.67	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/3/05	50.11	17.96	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/05	50.06	18.01	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
MW-11	1/25/99	52.60	47.77	17.60	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
100.37	4/26/99	52.56	47.81	17.64	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	9/24/99	52.61	47.76	17.59	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	12/3/99	52.56	47.81	17.64	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	3/31/00	52.51	47.86	17.69	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	6/14/00	52.51	47.86	17.69	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	9/15/00	52.58	47.79	17.62	--	<500	<0.50	<0.50	<0.50	<1.5	1.2	--	--	--	--	--
	11/15/00	52.62	47.75	17.58	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	3/30/01	52.40	47.97	17.80	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	6/14/01	52.30	48.07	17.90	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	8/20/01	52.28	48.09	17.92	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	52.18	48.19	18.02	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/23/02	52.29	48.08	17.91	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
70.20	7/11/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	52.15	18.05	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/10/03	52.11	18.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	52.10	18.10	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	8/11/03	52.49	17.71	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	52.35	17.85	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	02/05/04	52.46	17.74	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	5/10/04	52.34	17.86	--	--	110	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/11/04	52.41	17.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	52.42	17.78	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	3/1/05	51.9	18.30	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	51.58	18.62	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/3/05	51.27	18.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/05	51.09	19.11	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
MW-12	1/25/99	53.57	48.23	18.08	--	27000	230	1600	1200	8700	ND	--	--	--	--	--
101.80	4/26/99	53.49	48.31	18.16	--	10000	200	280	320	1900	<400	--	--	--	--	--
	9/24/99	53.57	48.23	18.08	--	3900	130	64	220	310	150	--	--	--	--	--
	12/3/99	53.52	48.28	18.13	--	1200	52	34	51	140	60	--	--	--	--	--

Table 6
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater	Corrected	LPH	Ethyl-						Total		DIPE [4]	ETBE [4]	TAME [4]	TBA [4]
			Elevation** (feet)*	Groundwater Elevation ***	Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	benzene [2] µg/l (ppb)	Xylenes [2] µg/l (ppb)	MTBE [3] µg/L (ppb)	MTBE [4] µg/L (ppb)	µg/L (ppb)				
MW-12	3/31/00	53.51	48.29	18.14	--	2500	130	31	41	48	21	--	--	--	--	--	--
continued	6/14/00	53.51	48.29	18.14	--	770	52	9.7	41	48	21	--	--	--	--	--	--
	9/15/00	53.57	48.23	18.08	--	520	37	6.2	25	11	--	<1.0	<5.0	<5.0	<5.0	<50	<50
	11/15/00	53.64	48.16	18.01	--	<500	18	4.5	17	11	--	<1.0	<5.0	<5.0	<5.0	<50	<50
	3/30/01	53.38	48.42	18.27	--	<500	28	4.4	24	9.9	--	<1.0	<5.0	<5.0	<5.0	<50	<50
	6/14/01	53.37	48.43	18.28	--	630	12	3.3	5.8	14	--	<1.0	<5.0	<5.0	<5.0	<50	<50
	8/20/01	53.28	48.52	18.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	53.18	48.62	18.47	--	<500	7.5	2.4	18	14	--	<1.0	<2.0	<2.0	<2.0	<25	<25
	1/23/02	53.27	48.53	18.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	53.20	48.60	18.45	--	<500	1.0	<0.50	2.0	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25	<25
71.65	7/11/02	53.16	18.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	53.19	18.46	--	--	<500	<0.50	<0.50	1.2	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25	<25
	1/10/03	53.11	18.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	53.10	18.55	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25	<25
	8/11/03	53.20	18.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	53.25	18.40	--	--	<500	0.64	<0.50	1.3	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25	<25
	02/05/04	53.35	18.30	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25	<25
	5/10/04	53.30	18.35	--	--	<100	1.5	<0.50	3.3	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25	<25
	8/11/04	53.34	18.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	53.33	18.32	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25	<25
	3/1/05	52.89	18.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	52.51	19.14	--	--	<100	<0.50	<0.50	1.3	3.3	--	<1.0	<5.0	<5.0	<5.0	<25	<25
	8/3/05	52.15	19.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/05	52.03	19.62	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25	<25

Notes: [1] Historically analyzed by EPA method 8015B. Currently analyzed by EPA method 8260B. [2] Historically analyzed by EPA method 8021B. Currently analyzed by EPA method 8260B.

[3] Analyzed by EPA method 8021B. [4] Analyzed by EPA Method 8260B.

Definitions: feet* = Feet above mean sea level, ** = Groundwater elevation corrected for LPH if / when present (gasoline density = 0.75 gm/cc), *** = Groundwater elevations have been modified using the most recent survey data,

LPH= Liquid Phase Hydrocarbons, Sheen = Discontinuous, non-measurable thickness of LPH, Trace = Continuous, non-measurable thickness of LPH, MTBE = Methyl tert-Butyl Ether, DIPE = Di-isopropyl Ether,

ETBE = Ethyl tert-Butyl Ether, TAME = tert-Amyl Methyl Ether, TBA = tert-Butanol, ppb = parts per billion, µg/L = micrograms per liter, -- = Not Measured/Not Sampled, NA = Not Applicable, ND = Not Detected, DTW = Depth to Water,

DTP = Depth to Product, TPH = Total Petroleum Hydrocarbons. Monitoring and sampling activities conducted by SECOR after 2/1/03. GEIMS Global ID # T0607302116

Prior to 1st Quarter 1999 sampling event, laboratory results below reporting limits were presented as ND. Former Chevron Service Station

TABLE 7
CONCENTRATION TREND ANALYSIS SUMMARY
Former Chevron Facility No. 9-1834
4175 Voltaire Street, San Diego, CA

Well	Compound Evaluated	Max Contaminant Level - C_{MCL} (ug/L) ⁽¹⁾	Initial Max. Concentration - C_0 (ug/L) ⁽²⁾	Sampling Date for C_0	Current Reference Date Used	Estimated Degradation Rate Constant - k (day ⁻¹)	Time to Reach MCL from $C_0 - t$ (days)	Current Elapsed Time from Date C_0 Reported (days)	Estimated Time to Reach C_{MCL} from Current Reference Date (yrs)
MW-1	Benzene	1	18,000	4/26/1999	2/1/2006	-0.0007	13,997	2,473	31.57
MW-7	Benzene	1	2,900	1/22/1998	2/1/2006	-0.0013	6,133	2,932	8.77
MW-9	Benzene	1	7,500	8/27/1998	2/1/2006	-0.0008	11,153	2,715	23.12
MW-1	MTBE	13	1,800	2/19/1999	2/1/2006	-0.0006	8,218	2,539	15.56
MW-7	MTBE	13	53	3/31/2000	2/1/2006	-0.0001	14,053	2,133	Concentrations already below MCLs
MW-9	MTBE	13	2,500	8/27/1998	2/1/2006	-0.0007	7,513	2,715	13.15

Notes: Equation used to estimate time to reach MCL is $C = C_0 e^{-kt}$, where:

C = Concentration at time t

C_0 = Peak Concentration

k = Degradation rate constant (time⁻¹)

t = time

-- = Not Applicable

< = Less than reporting limit shown.

ug/L = Micrograms per liter.

(1) State of California Primary Maximum Contaminant Level (MCL) for Drinking Water

(2) Recent maximum concentration from post-remediation groundwater monitoring data